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**ZEICHENGENEHMIGUNGS-AUSWEIS**  
**CERTIFICAT D'AUTORISATION D'USAGE DE LA MARQUE GS-LCIE**  
**CERTIFICATE OF MARKING USAGE AUTHORIZATION**

No. **599786**  
N° Nr.

Genehmigungsinhaber / Titulaire / Holder: **LINHAI CHUANGQI LIGHTS CO., LTD**  
**Sanxigang Village, Dayang street, Linhai City - Zhejiang Province - CHINA**

Fertigungsstätte / Site de fabrication / Manufacturing site: **LINHAI CHUANGQI LIGHTS CO., LTD (1418LU)**  
**Sanxigang Village, Dayang street, Linhai City - Zhejiang Province - CHINA**

Prüfzeichen / Marque / Marking



Aktenzeichen / Dossiers N° / File No.: **599786**

Ausstellungsdatum / Date d'établissement / Date of delivery: **2010-07-05**

Gültig bis / Date de fin de validité / Expires on: **2013-04-01**

Geprüft nach / Essayé et trouvé conforme à / Tested in conformity with:  
**EN 60598-1:2008 +A11:2009**  
**EN 60598-2-20:1997 +A1:1998 +A2:2004**  
**ZEK 01.2-08, issue 10-12-2008**

Testbericht Nr. / Rapports d'essais n° / Test report No:  
**LCIE China n° CQL-10AP0430LCSP**

Produkt / Produit / Product

**Lichtketten Guirlandes lumineuses** Lighting chains

Modell / Modèle / Model

**CQXXXc\*XYZ** (Sih Anhang 1/Voir annexe 1/See annex 1)

Nominalwerte / Caractéristiques nominales / Rated characteristics

**220-240V~, 50Hz, Class II, IP20**  
(Sih Anhang 1/Voir annexe 1/See annex 1)

Markenname (falls vorhanden) / Marque de fabrique (s'il y a lieu) / Brand name (if any)



Weitere Angaben / Informations complémentaires (s'il y a lieu) / Additional information (if any)

Dieser Genehmigung liegen unsere Prüf- und Zertifizierungsregeln zugrunde. Produkt und Fertigungsstätte erfüllen § 4, 5 und 7 der "Geräte- und Produkt Sicherheitsgesetz" GPSG - La présente autorisation est soumise à nos règles de certification. Le produit et le lieu de fabrication remplissent les conditions des articles 4, 5 et 7 de la Loi allemande "GPSG" (Geräte- und Produkt Sicherheitsgesetz). - The present certificate is submitted to our Testing and Certification rules. The product and the manufacturing site meet the requirements of § 4, 5 and 7 of the German Law ("Geräte- und Produkt Sicherheitsgesetz").

Fontenay-aux-Roses, 2010-07-05

Leiter der Zertifizierungsstelle,  
Directeur de la Certification / Certification Manager



Zugelassene Stelle nach § 11 GPSG / Organisme habilité selon art. 11, de la Loi GPSG / Approved Body acc. § 11 GPSG.

## Anhang 1/ Annexe 1/ Annex 1

**Lighting chain model list:**

CQXXXσ\*XYZ

XXX: number of bulbs

σ: code of bulb , Without code, light is with normal bulbs

\*: shape of lighting chain, C=Curtain light D=flower light DM=Mode light I=icicle N=net light without code=lighting chain without decoration

X: with or without switch, K=With switch, No code =without switch

Y: with or without BS plug, E=With BS Plug, No code =with other plug

Z: Controller,B-1=With controller CCH05, V-X= With controller CCH02-20, (X(way wire)=1.2.3.4) M-X =with controller CCH07, (X(way wire)=1.2.3.4), -B=CCH01, Without code=no controller

**IP20 Class II 220-240V Light Chain Steady no controller**

No. of bulbs	rated value of bulb	bulb			Max. rated wattage of light chain (w)
		V	A	w	
10	24V/0.04A/0.96W	24	0.04	0.96	9.6
11~15	16V/0.07A/1.12W	16	0.07	1.12	16.8
16~20	12V/0.08A/0.96W	12	0.08	0.96	19.2
	12V/0.095A/1.14W	12	0.095	1.14	22.8
21~30	8V/0.12A/0.96W	8	0.12	0.96	28.8
31~35	7V/0.12A/0.84W	7	0.12	0.84	28.8
36~40	6V/0.12A/0.72W	6	0.12	0.72	28.8
41~50	5V/0.12A/0.6W	5	0.12	0.6	28.8
51~60	4V/0.12A/0.48W	4	0.12	0.48	28.8
61~80	3V/0.12A/0.36W	3	0.12	0.36	28.8
81~96	2.5V/0.12A/0.3W	2.5	0.12	0.3	28.8
	2.5V/0.2A/0.5W	2.5	0.2	0.5	48
97~100	2.5V/0.12A/0.3W	2.5	0.12	0.3	28.8
	2.5V/0.2A/0.5W	2.5	0.2	0.5	48
101~120	2V/0.2A/0.4W	2	0.2	0.4	48
121~140	1.7V/0.2A/0.34W	1.7	0.2	0.34	48
141~144	1.6V/0.2A/0.32W	1.6	0.2	0.32	48
145~150	1.6V/0.2A/0.32W	1.6	0.2	0.32	48
151~160	1.5V/0.2A/0.3W	1.5	0.2	0.3	48
161~168	1.5V/0.2A/0.3W	1.5	0.2	0.3	48
169~180	1.3V/0.2A/0.26W	1.3	0.2	0.26	48
	2.5V/0.2A/0.5W	2.5	0.2	0.5	96
181~192	1.2V/0.2A/0.24W	1.2	0.2	0.24	48
	2.5V/0.2A/0.5W	2.5	0.2	0.5	96
192~200	1.2V/0.2A/0.24W	1.2	0.2	0.24	48
	2.5V/0.2A/0.5W	2.5	0.2	0.5	96

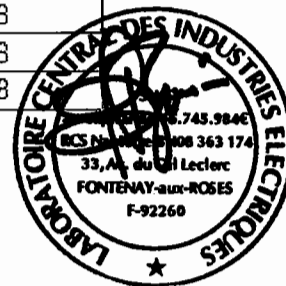




Anhang 1/ Annexe 1/ Annex 1

**IP20 Class II 220-240V Light Chain With CCH01**

No. of bulbs	rated value of bulb	Max. rated wattage of light chain
20	12V/0.095A/1.14W	22.8
	12V/0.08A/0.96W	19.2
21~30	8V/0.12A/0.96W	28.8
31~35	7V/0.12A/0.84W	28.8
36~40	6V/0.12A/0.72W	28.8
41~50	5V/0.12A/0.6W	28.8
51~60	4V/0.12A/0.48W	28.8
61~80	3V/0.12A/0.36W	28.8
81~96	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
97~100	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
101~120	2V/0.2A/0.4W	48
121~140	1.7V/0.2A/0.34W	48
141~144	1.6V/0.2A/0.32W	48
145~150	1.6V/0.2A/0.32W	48
151~160	1.5V/0.2A/0.3W	48
161~168	1.5V/0.2A/0.3W	48
169~180	1.3V/0.2A/0.26W	48
	2.5V/0.1A/0.25W	48
192	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48
200	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48



Anhang 1/ Annexe 1/ Annex 1

**IP20 Class II 220-240V Light Chain with controller :CCH02-20**

No. of bulbs	rated value of bulb	wattage of light chain
<b>V-1</b>		
20	12V/0.095A/1.14W	22.8
	12V/0.08A/0.96W	19.2
21~30	8V/0.12A/0.96W	28.8
31~35	7V/0.12A/0.84W	28.8
36~40	6V/0.12A/0.72W	28.8
41~50	5V/0.12A/0.6W	28.8
51~60	4V/0.12A/0.48W	28.8
61~80	3V/0.12A/0.36W	28.8
81~96	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
97~100	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
101~120	2V/0.2A/0.4W	48
121~140	1.7V/0.2A/0.34W	48
141~144	1.6V/0.2A/0.32W	48
145~150	1.6V/0.2A/0.32W	48
151~160	1.5V/0.2A/0.3W	48
161~168	1.5V/0.2A/0.3W	48
169~180	1.3V/0.2A/0.26W	48
	2.5V/0.1A/0.25W	48
192	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48
200	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48

No. of bulbs	rated value of bulb	Max. rated wattage of
<b>V-2</b>		
20	24V/0.04A/0.96W	19.2
21~30	1.6V/0.07A/1.12W	33.6
31~40	12V/0.08A/0.96W	38.4
	12V/0.095A/1.14W	45.6
41~60	8V/0.095A/0.76W	45.6
	8V/0.12A/0.96W	57.6
61~70	7V/0.12A/0.84W	57.6
71~80	6V/0.095A/0.57W	45.6
	6V/0.12A/0.72W	57.6
81~96	5V/0.1A/0.5W	48
97~100	5V/0.1A/0.5W	48
	5V/0.12A/0.6W	57.6
101~120	4V/0.1A/0.4W	48
	4V/0.12A/0.48W	57.6
121~140	3.5V/0.1A/0.35W	48
141~144	3.5V/0.1A/0.35W	48
145~150	3.5V/0.1A/0.35W	48
151~160	3V/0.1A/0.3W	48
	3V/0.12A/0.36W	57.6
161~180	2.7V/0.1A/0.27W	48
181~192	2.5V/0.1A/0.25W	48
	2.5V/0.12A/0.3W	57.6
193~200	2.5V/0.2A/0.5W	96
	2.5V/0.1A/0.25W	48
201~240	2.5V/0.12A/0.3W	57.6
	2.5V/0.2A/0.5W	96
241~280	2V/0.1A/0.2W	48
281~288	2V/0.2A/0.4W	96
289~300	1.7V/0.2A/0.34W	96
301~320	1.6V/0.2A/0.32W	96
321~336	1.5V/0.2A/0.3W	96
337~360	1.5V/0.2A/0.3W	96
361~384	1.3V/0.2A/0.26W	96
385~400	1.2V/0.2A/0.24W	96

<b>V-3</b>		
30	24V/0.04A/0.96W	28.8
31~60	12V/0.08A/0.96W	57.6
	12V/0.095A/1.14W	68.4
61~90	8V/0.095A/0.76W	68.4
	8V/0.12A/0.96W	86.4
91~120	6V/0.095A/0.57W	68.4
	6V/0.12A/0.72W	86.4
121~150	5V/0.12A/0.6W	86.4
	5V/0.1A/0.5W	72
151~180	4V/0.12A/0.48W	86.4
	4V/0.1A/0.4W	72
181~240	3V/0.12A/0.36W	86.4
	3V/0.1A/0.3W	72
241~300	2.5V/0.1A/0.25W	72
	2.5V/0.12A/0.3W	86.4
301~360	2.5V/0.2A/0.5W	144
	2V/0.1A/0.2W	72
361~400	2V/0.2A/0.4W	144

<b>V-4</b>		
40	24V/0.04A/0.96W	38.4
41~60	16V/0.07A/1.12W	67.2
	1.6V/0.05A/0.8W	48
61~80	12V/0.08A/0.96W	76.8
	12V/0.095A/1.14W	91.2
81~120	8V/0.095A/0.76W	91.2
	8V/0.12A/0.96W	115.2
121~160	6V/0.095A/0.57W	91.2
	6V/0.12A/0.72W	115.2
161~200	5V/0.12A/0.6W	115.2
	5V/0.1A/0.5W	96
201~240	4V/0.12A/0.48W	115.2
	4V/0.1A/0.4W	96
241~320	3V/0.12A/0.36W	115.2
	3V/0.1A/0.3W	96
321~400	2.5V/0.12A/0.3W	115.2
	2.5V/0.2A/0.5W	192





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Anhang 1/ Annexe 1/ Annex 1

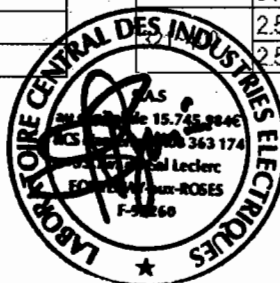
**IP20 Class II 220-240V Light Chain with controller :CCH07**

No. of bulbs	rated value of bulb	wattage of light chain
<b>M-1</b>		
20	12V/0.095A/1.14W	22.8
	12V/0.08A/0.96W	19.2
21~30	8V/0.12A/0.96W	28.8
31~35	7V/0.12A/0.84W	28.8
36~40	6V/0.12A/0.72W	28.8
41~50	5V/0.12A/0.6W	28.8
51~60	4V/0.12A/0.48W	28.8
61~80	3V/0.12A/0.36W	28.8
81~96	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
97~100	2.5V/0.2A/0.5W	48
	2.5V/0.12A/0.3W	28.8
101~120	2V/0.2A/0.4W	48
121~140	1.7V/0.2A/0.34W	48
141~144	1.6V/0.2A/0.32W	48
145~150	1.6V/0.2A/0.32W	48
151~160	1.5V/0.2A/0.3W	48
161~168	1.5V/0.2A/0.3W	48
169~180	1.3V/0.2A/0.26W	48
	2.5V/0.1A/0.25W	48
192	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48
200	1.2V/0.2A/0.24W	48
	2.5V/0.1A/0.25W	48

No. of bulbs	rated value of bulb	Max. rated wattage of
<b>M-2</b>		
20	24V/0.04A/0.96W	19.2
21~30	1.6V/0.07A/1.12W	33.6
31~40	12V/0.08A/0.96W	38.4
	12V/0.095A/1.14W	45.6
41~50	8V/0.095A/0.76W	45.6
	8V/0.12A/0.96W	57.6
61~70	7V/0.12A/0.84W	57.6
71~80	6V/0.095A/0.57W	45.6
	6V/0.12A/0.72W	57.6
81~96	5V/0.1A/0.5W	48
97~100	5V/0.1A/0.5W	48
	5V/0.12A/0.6W	57.6
101~120	4V/0.1A/0.4W	48
	4V/0.12A/0.48W	57.6
121~140	3.5V/0.1A/0.35W	48
141~144	3.5V/0.1A/0.35W	48
145~150	3.5V/0.1A/0.35W	48
151~160	3V/0.1A/0.3W	48
	3V/0.12A/0.36W	57.6
161~180	2.7V/0.1A/0.27W	48
181~192	2.5V/0.1A/0.25W	48
	2.5V/0.12A/0.3W	57.6
193~200	2.5V/0.2A/0.5W	96
	2.5V/0.1A/0.25W	48
201~240	2V/0.1A/0.2W	48
	2V/0.2A/0.4W	96
241~280	1.7V/0.2A/0.34W	96
281~288	1.6V/0.2A/0.32W	96
289~300	1.6V/0.2A/0.32W	96
301~320	1.5V/0.2A/0.3W	96
321~336	1.5V/0.2A/0.3W	96
337~360	1.3V/0.2A/0.26W	96
361~384	1.2V/0.2A/0.24W	96
385~400	1.2V/0.2A/0.24W	96

<b>M-3</b>		
30	24V/0.04A/0.96W	28.8
31~60	12V/0.08A/0.96W	57.6
	12V/0.095A/1.14W	68.4
61~90	8V/0.095A/0.76W	68.4
	8V/0.12A/0.96W	86.4
91~120	6V/0.095A/0.57W	68.4
	6V/0.12A/0.72W	86.4
121~150	5V/0.12A/0.6W	86.4
	5V/0.1A/0.5W	72
151~180	4V/0.12A/0.48W	86.4
	4V/0.1A/0.4W	72
181~240	3V/0.12A/0.36W	86.4
	3V/0.1A/0.3W	72
241~300	2.5V/0.1A/0.25W	72
	2.5V/0.12A/0.3W	86.4
	2.5V/0.2A/0.5W	144
301~360	2V/0.1A/0.2W	72
	2V/0.2A/0.4W	144

<b>M-4</b>		
40	24V/0.04A/0.96W	38.4
41~60	16V/0.07A/1.12W	67.2
	1.6V/0.05A/0.8W	48
61~80	12V/0.08A/0.96W	76.8
	12V/0.095A/1.14W	91.2
81~120	8V/0.095A/0.76W	91.2
	8V/0.12A/0.96W	115.2
121~160	6V/0.095A/0.57W	91.2
	6V/0.12A/0.72W	115.2
161~200	5V/0.12A/0.6W	115.2
	5V/0.1A/0.5W	96
201~240	4V/0.12A/0.48W	115.2
	4V/0.1A/0.4W	96
241~320	3V/0.12A/0.36W	115.2
	3V/0.1A/0.3W	96
	2.5V/0.12A/0.3W	115.2
	2.5V/0.2A/0.5W	192



## Anhang 1/ Annexe 1/ Annex 1

## IP20 Class II 220-240V Light Chain Steady CCH05

No. of bulbs	rated value of bulb	bulb			wattage of light chain
		V	A	w	
10	24V/0.04A/0.96W	24	0.04	0.96	9.6
11~15	16V/0.07A/1.12W	16	0.07	1.12	16.8
16~20	12V/0.08A/0.96W	12	0.08	0.96	19.2
	12V/0.095A/1.14W	12	0.095	1.14	22.8
21~30	8V/0.12A/0.96W	8	0.12	0.96	28.8
31~35	7V/0.12A/0.84W	7	0.12	0.84	28.8
36~40	6V/0.12A/0.72W	6	0.12	0.72	28.8
41~50	5V/0.12A/0.6W	5	0.12	0.6	28.8
51~60	4V/0.12A/0.48W	4	0.12	0.48	28.8
61~80	3V/0.12A/0.36W	3	0.12	0.36	28.8
81~96	2.5V/0.12A/0.3W	2.5	0.12	0.3	28.8
	2.5V/0.2A/0.5W	2.5	0.2	0.5	48
97~100	2.5V/0.12A/0.3W	2.5	0.12	0.3	28.8
	2.5V/0.2A/0.5W	2.5	0.2	0.5	48
101~120	2V/0.2A/0.4W	2	0.2	0.4	48
121~140	1.7V/0.2A/0.34W	1.7	0.2	0.34	48
141~144	1.6V/0.2A/0.32W	1.6	0.2	0.32	48
145~150	1.6V/0.2A/0.32W	1.6	0.2	0.32	48
151~160	1.5V/0.2A/0.3W	1.5	0.2	0.3	48
161~168	1.5V/0.2A/0.3W	1.5	0.2	0.3	48
169~180	1.3V/0.2A/0.26W	1.3	0.2	0.26	48
	2.5V/0.1A/0.25W	2.5	0.1	0.25	48
181~192	1.2V/0.2A/0.24W	1.2	0.2	0.24	48
	2.5V/0.1A/0.25W	2.5	0.1	0.25	48
192~200	1.2V/0.2A/0.24W	1.2	0.2	0.24	48
	2.5V/0.1A/0.25W	2.5	0.1	0.25	48

