

Projekt Nummer Project No.

CE-0602-59517-003

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**Zusatzinformationen Additional Information**

Typen-Referenzliste / type reference list:

type reference of 220-240V IP20 LED lighting chain

model	description	LED rating	bulbs number	structure	resistor rating	resistor/line	power
HSL-L020NA-XX-2	IP20-20bulbs without controller	2V/0.02A	20	20per unit*1unit	1/6W680 Ω	20	3.5W
HSL-L035NA-XX-2	IP20-35bulbs without controller	2V/0.02A	35	35per unit*1unit	1/6W330 Ω	35	3.5W
HSL-L040NA-XX-2	IP20-40bulbs without controller	2V/0.02A	40	40per unit*1unit	1/6W270 Ω	40	3.5W
HSL-L050NA-XX-2	IP20-50bulbs without controller	2V/0.02A	50	50per unit*1unit	1/6W200 Ω	50	3.6W
HSL-L100NA-XX-2	IP20-100bulbs without controller	2V/0.02A	100	50per unit*2units	1/6W200 Ω	50	6.8W
HSL-L120NA-XX-2	IP20-120bulbs without controller	2V/0.02A	120	60per unit*2units	1/6W150 Ω	60	6.8W
HSL-L040NB-XX-2	IP20-40bulbs with controller	2V/0.02A	40	20per unit*2units	1/6W680 Ω	20	7.5W
HSL-L080NB-XX-2	IP20-80bulbs with controller	2V/0.02A	80	40per unit*2units	1/6W270 Ω	40	7.7W
HSL-L100NB-XX-2	IP20-100bulbs with controller	2V/0.02A	100	50per unit*2units	1/6W200 Ω	50	7.6W
HSL-L120NB-XX-2	IP20-120bulbs with controller	2V/0.02A	120	60per unit*2units	1/6W150 Ω	60	7.5W
HSL-L140NB-XX-2	IP20-140bulbs with controller	2V/0.02A	140	70per unit*2units	1/6W100 Ω	70	8W
HSL-L180NB-XX-2	IP20-180bulbs with controller	2V/0.02A	180	45per unit*4units	1/6W220 Ω	45	16W
HSL-L200NB-XX-2	IP20-200bulbs with controller	2V/0.02A	200	50per unit*4units	1/6W200 Ω	50	16W
HSL-L240NB-XX-2	IP20-240bulbs with controller	2V/0.02A	240	60per unit*4units	1/6W150 Ω	60	16W
HSL-L300NB-XX-2	IP20-300bulbs with controller	2V/0.02A	300	75per unit*4units	1/6W82 Ω	75	16W

\*XX\* means decoration head. Please refer to decoration list.

Dekorationsliste / decoration head list:

XX	description
00	without decoration head
01	ICE
02	STAR
03	HEART
04	TEAR
05	SUNFACE
06	MOONFACE
07	BELL
08	TREE
09	DIAMOND
10	FLOWER
11	SUNFLOWER
12	SNOWFLAKE
13	STARFISH
14	ROUND BALL
15	WAFER
16	ICICLE
17	ANGEL

Pfingztal, 21.02.2006



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**Zusatzinformationen *Additional Information***

Typen-Referenzliste / *type reference list:*

type reference of 220-240V IP20 LED lighting chain

model	description	LED rating	bulbs number	structure	resistor rating	resistor watt	power
HSL-L020NA-XX-2	IP20-20bulbs without controller	2V/0.02A	20	20per unit*1unit	1/6W680 Ω	20	3.5W
HSL-L035NA-XX-2	IP20-35bulbs without controller	2V/0.02A	35	35per unit*1unit	1/6W330 Ω	35	3.5W
HSL-L040NA-XX-2	IP20-40bulbs without controller	2V/0.02A	40	40per unit*1unit	1/6W270 Ω	40	3.5W
HSL-L050NA-XX-2	IP20-50bulbs without controller	2V/0.02A	50	50per unit*1unit	1/6W200 Ω	50	3.6W
HSL-L100NA-XX-2	IP20-100bulbs without controller	2V/0.02A	100	50per unit*2units	1/6W200 Ω	50	6.8W
HSL-L120NA-XX-2	IP20-120bulbs without controller	2V/0.02A	120	60per unit*2units	1/6W150 Ω	60	6.8W
HSL-L040NB-XX-2	IP20-40bulbs with controller	2V/0.02A	40	20per unit*2units	1/6W680 Ω	20	7.5W
HSL-L080NB-XX-2	IP20-80bulbs with controller	2V/0.02A	80	40per unit*2units	1/6W270 Ω	40	7.7W
HSL-L100NB-XX-2	IP20-100bulbs with controller	2V/0.02A	100	50per unit*2units	1/6W200 Ω	50	7.6W
HSL-L120NB-XX-2	IP20-120bulbs with controller	2V/0.02A	120	60per unit*2units	1/6W150 Ω	60	7.5W
HSL-L140NB-XX-2	IP20-140bulbs with controller	2V/0.02A	140	70per unit*2units	1/6W100 Ω	70	8W
HSL-L180NB-XX-2	IP20-180bulbs with controller	2V/0.02A	180	45per unit*4units	1/6W220 Ω	45	16W
HSL-L200NB-XX-2	IP20-200bulbs with controller	2V/0.02A	200	50per unit*4units	1/6W200 Ω	50	16W
HSL-L240NB-XX-2	IP20-240bulbs with controller	2V/0.02A	240	60per unit*4units	1/6W150 Ω	60	16W
HSL-L300NB-XX-2	IP20-300bulbs with controller	2V/0.02A	300	75per unit*4units	1/6W82 Ω	75	16W

\*XX\*means decoration head. Please refer to decoration list.

Dekorationsliste / *decoration head list:*

XX	description
00	without decoration head
01	ICE
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Pfingsttal, 21.02.2006



Indoor Low Voltage LED



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**Bescheinigung der  
Konformität mit  
europäischen Richtlinien.**

**Statement of Conformity with  
European Directive.**

**Ausstellungsdatum** *Date of Issue*

21.02.2006

**Genehmigungsinhaber**  
*License Holder*

Shanghai Red Forest Co., Ltd.  
Yangban Village, Xingqiao, Songjiang, Shanghai  
CHINA

**Anzuwendende Norm** *Applicable standard*

EN 60598-2-20:1997 + A1:1998 + A2:2004 ; EN 60598-1:2004

**Produkt** *Product*

Lichterkette für innen  
*Lighting chain for indoor use*

**Bezeichnung** *Type Designation*

HSL-LzzzNy-xx 2 Serie  
Max. 16 W, 220 - 240 V AC, 20 - 300 LED à 2 V / 0,02 A,  
Klasse II, IP 20, nicht ersetzbare LED,  
ohne Überbrückungsfunktion, nicht wiederanschließbar,  
mit Klasse II Stecker, Reihen- und Parallelschaltung,  
mit und ohne elektrischem Controller, mit und ohne Dekoration  
Zusätzliche Informationen siehe Seite 2 und 3.  
Handelsname: Shanghai Red Forest Co., Ltd.

*HSL-LzzzNy-xx 2 series  
max. 16 W, 220 - 240 V AC, 20 - 300 LED à 2 V / 0.02 A,  
Class II, IP 20, non-replaceable LED, non bridged,  
non-rewireable, with Class II plug, serial and parallel connected,  
with and without electronic controller unit,  
with and without decoration.  
Additional information see page 2 and 3.  
Trade mark: Shanghai Red Forest Co., Ltd.*

Vorausgesetzt, daß alle anderen anzuwendenden Richtlinien erfüllt sind, kann diese Bescheinigung über die Konformität des Produktes mit den folgenden Richtlinien:

*Based on this statement for the following directives:*

**Niederspannungsrichtlinie / Low Voltage Directive 73/23/EEC**

von einem in der Europäischen Union ansässigen Hersteller oder Inverkehrbringer als Basis zur Erstellung der CE-Deklaration verwendet werden.

*The manufacturer or responsible representative resident in the European Community can issue the CE declaration provided conformity with any other relevant directive.*

**Zertifizierungsstelle**  
**Certification Institute**



Hans Fibich