



**solavanti** lighting



**PERFORMANCE**<sup>10</sup>

**LTS**<sup>®</sup>  
LIGHT & LUMINAIRES



Emergency Lighting  
Dimming



Emergency Lighting



Dimming 711

Emergency Lighting  
710

Light Sources

Alphabetical List of types



Light Sources 712

A-Z

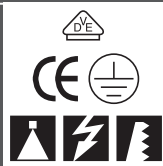
Alphabetical List  
of types 720

General conditions

AGB

General conditions  
737

Legend



Legend 738

# LTS on the Internet

**LTS**

**Rolls**

Home | Company | Products | Jobs | Service | Contact

Spots | Rolls

You are here: Products / Spots / Rolls / ROL 20 | Spotlight / ROL 20 (3278 It)

### ROL 20.3522 spotlight

for metal halide lamp 35 W HT-CE012, lamp position vertical, beam angle 30°, Spherical head in classical spherical shape, light beam rotates through 350° and pivots through 90°, lens positioning with magnetic holders, specular reflector made from highest quality aluminum 99.99%, light head and ECU housing in horizontal design made from metal, front ring made from die cast, easy reworking via front ring with snap-in catch, fastening via universal adapter for control tracks. UV filter, ECU integral

Series	Rolls
Supply unit	ECU integral
Light source	HT-CE / GX2 35 W
Supply voltage	230 V / 50 Hz
System power	44 VA
Safety standards	CE, T
Protection class	I
Type of protection	IP20
Weight	2.58 kg
Reflector class	433
Dimensions (DxH)	278 x 218 mm
Diameter of bowl	188 mm

colour

Preview

documents & files

- download led (RTF)
- copy text
- print text
- configure text on/off
- datasheet
- download picture
- download CAD

light planning data

RL04-data (LDT): 35 W  
 65-data: 35 W

We would like to extend our service and provide you with even more information on the Internet around the clock.

Visit us on [www.lts-light.eu](http://www.lts-light.eu)

You can download directly all required data for your lighting designs and offers.

You will find online pictures and technical data from our products together with texts for tenders, technical data sheets, photometric data polar curves and EULUMDAT-data for lighting designs.

Texts for tenders can be compiled from the existing data individually for your requirements (configure text).

We recommend an up-to-date version of one of the following browsers to provide you with the full function range:

- Microsoft Internet Explorer
- Mozilla Firefox
- Apple Safari
- Opera

Javascript should be activated and Popup-windows and Session Cookies should be allowed.

Our technical support is most willing to assist you in case you should not find something.

- 1 Product description
- 2 Technical data
- 3 Product image (click to enlarge)
- 4 CAD drawing (click to enlarge)
- 5 Product colors
- 6 Preview for tender text which can be configured
- 7 Download tender text in RTF-Format
- 8 Copy tender text in the clipboard (applies for Microsoft Internet Explorer only)
- 9 Print tender text
- 10 Configure tender text and text preview on/off
- 11 Download technical data sheet
- 12 Download product image
- 13 Download CAD drawing
- 14 Download EULUMDAT-data for lighting designs in format LDT or IES
- 15 Power supply units
- 16 Accessories
- 17 Photometric data polar curves (PDF)

**LTS**  
Lighting Technology

## Recessed Spotlights | Scene 5

you are here: Products > Recessed Spotlights > Scene 5 (SCT 501511) > Recessed spotlights

### SCE 511.30 recessed spotlight

for metal track lamp 35770150 W/W CCT/CCT; beam angle 25°, reflector made from aluminum 99.99%, light heat resistant, all directions, easy telescoping, various accessories available. recessed ring made from metal, track ring made from die-cast, soft spring fastening for ceiling thickness 1 - 31 mm. UV filter, ready to plug-in, ECG or CCG to be ordered separately.

Series	Scene 5
Supply unit	ECG or CCG to be ordered separately
Light source	HT-CR / CR2 3570150 W
Supply voltage	230 V / 50 Hz
System power	ECG 8470150, CCG 4884150 VA
Safety standards	CE, F
Protection class	I
Type of protection	IP56
Weight	1.3 kg
Manufacturer class	195
Ceiling thickness	1 - 31 mm
Recessed depth	130 mm
Dial diameter	210 mm
Cut-out	200 mm

colour: silver / white /RAL

#### Supply unit

35 W EVG: ECGRE.35	70 W EVG: CCGRE.70
150 W EVG: ECGRE.150	35 W WVG: CCGRE.35
35 W WVG: CCG.35	150 W WVG: CCG.150

#### Accessory

E.3.50151M Colour filter for special effects yellow	E.3.50151M Colour filter for special effects blue
E.3.50151M Colour filter for special effects green	E.3.50151M Colour filter for special effects orange
E.3.50151M Colour filter for special effects red	E.3.50151M Control Wheel Lifestyle
SCE.511.30 Ceiling replacement ring	

#### Documents & Files

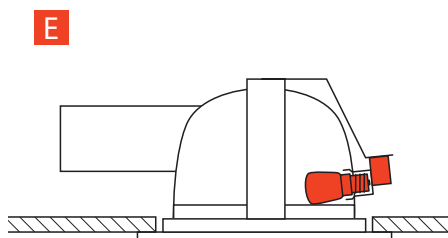
download text (RTF)	copy text	print text
configure text on/off	datasheet	
photometric data	download picture	download CAD

#### light planning data

WLED-data (DOT)	150 W	35 W	70 W
ES-data	150 W	35 W	70 W

# Emergency Lighting

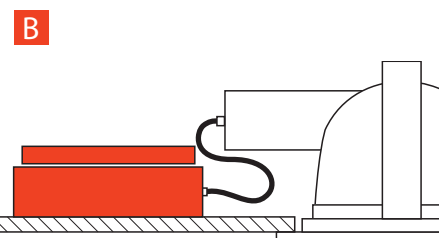
Luminaires with electronic control gears (ECG) can be operated on direct current and are therefore suited for the application in emergency lighting systems with groups or central battery 120V.



Order No. **NO 50 E**

Emergency lampholder **E 14**, max. **25 W**, GLS lamp (CO26)

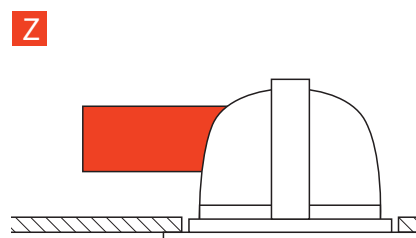
- 3-pole terminal block ready to connect wired
- emergency lampholders are to be marked red according to VDE 0118
- Attention! Reduced ceiling thickness max. 0.8".



Order No. **NO 50 B**

Emergency lighting with single battery power supply

- for luminaires with LCG, ECG, ECG dimming
- compact fluorescent lamp continues with reduced output. A continuous phase must be connected for charging
- the emergency power supply is provided by a Ni-Cd-battery with high output
- for permanent and stand-by operation there is a Self-Control-System for easy maintenance installed
- when the battery or the charging unit is defect the normal light is switched-off automatically
- suitable for VDE 108 systems
- connecting voltage 120V / 60 Hz
- battery 1 hour, 3 hours upon enquiry
- time for charging: 80 % of socketacity in 20 hours
- luminous flux is 60 % of the normal operation
- short-circuit-proof and fully discharge protection and self reset



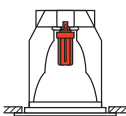
Order No. **NO 50 Z**

Emergency lighting for central battery

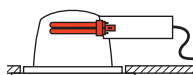
- integrated in luminaire, ready-to-connect
- for luminaires 9–42 W, with LCG, ECG or ECG dimmable
- switching from mains to emergency operation integrated
- Compact fluorescent lamp stays on at same output in emergency operation mains and mains substitute supply are lead on two independent supplies to the luminaire. Emergency luminaires can be run on normal operation.
- control units are fully electronic, no further control gear during normal operation
- automatic switch-off when the light source becomes defective
- for luminaires with two lamps there is one lamp run on emergency lighting (4-pin-version)
- complies with radio interference grade N
- mains priority switching
- mains voltage 120V / 60 Hz
- mains replacement voltage AC/DC 120V, 110 V, 60 V, 48 V, 40 V, 24 V (indicate when ordering), 32/42 W only 120V
- luminous flux 100 %
- short circuit and fully discharge protected

## For the Downlight Series Edel+Stahl, Multi, Quadro, QP

LCG  
ECG  
ECG dimming



vertical



horizontal

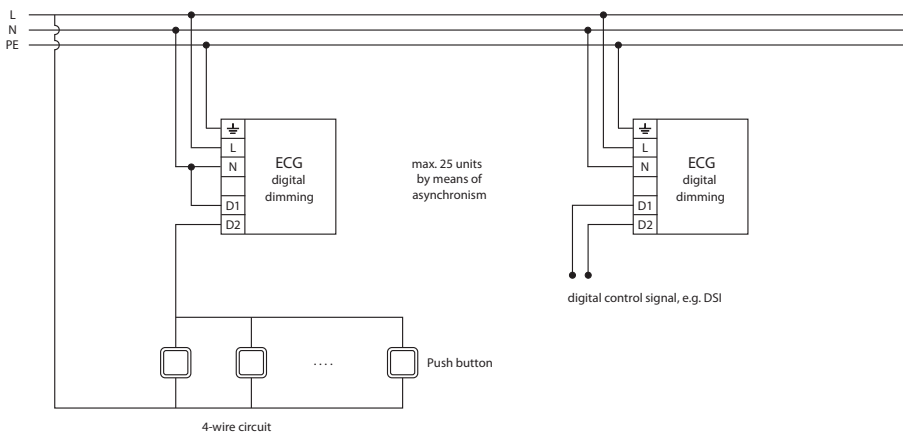
AD Edel + Stahl	AD Multi	AM Quadro	AM QP	Wattage	Standard	ET small	Turbo louvre 4-cell-louvre	with VR 6-louvre
5.7"	6.2"	5.2"		7/9/10/13	<b>B Z</b>			
	7.2"	6.3"		10/13/18/26/32/42	<b>B Z</b>			
7.8"	8.8"	7.5"		26/32/42	<b>B Z</b>			
9.1"	10.2"	9.3"		32/42	<b>B Z</b>			
7.8"	8.8"	7.5"	7.7"	7/9/10/13/18	<b>E B Z</b>	<b>B Z</b>	<b>B Z</b>	
9.1"	10.2"	9.3"	8.7"	10/13/18/26	<b>E B Z</b>	<b>E B Z</b>	<b>B Z</b>	<b>B Z</b>
10.4"	11.9"			18/26	<b>E B Z</b>		<b>B Z</b>	<b>B Z</b>
10.4"	11.9"			32	<b>B Z</b>		<b>B Z</b>	
	14.1"			26/32	<b>E B Z</b>		<b>B Z</b>	

# Dimming

- LTS-luminaires can be equipped with the most advanced control techniques. Dimming done from several places, with standard switches, 1-10 V control units, with infrared sensors, daylight-dependent control, addressing via bus systems etc. Please do not hesitate to ask us. We are most interested to realise your ideas.
- the major group of the Downlight-Programs can be fitted with control gears.
- we use only high-quality components from leading manufacturers
- two basic control systems, are available, see circuit diagrams A and B.
- for DALI control additional control gears are necessary.

The LTS Downlight-Programs prove its wide variety also in the possibility of dimming light. This technique is applied in many areas, such as offices, conference rooms, convention halls, exhibitions and show-rooms, sound-, music-, film- and video studios, CAD rooms, multi-purpose halls a.s.o.

Example for 4- and 5-wire circuit



Circuit diagram A

## 4-wire circuit

Dimming from any number of places with the standard switches. 4- wire circuit possible. Switch on/off by short pressing of the pushbutton. Dimming by pressing the pushbutton for a certain time. Synchronisation of the unit is done by pressing the pushbutton for about 10 s.

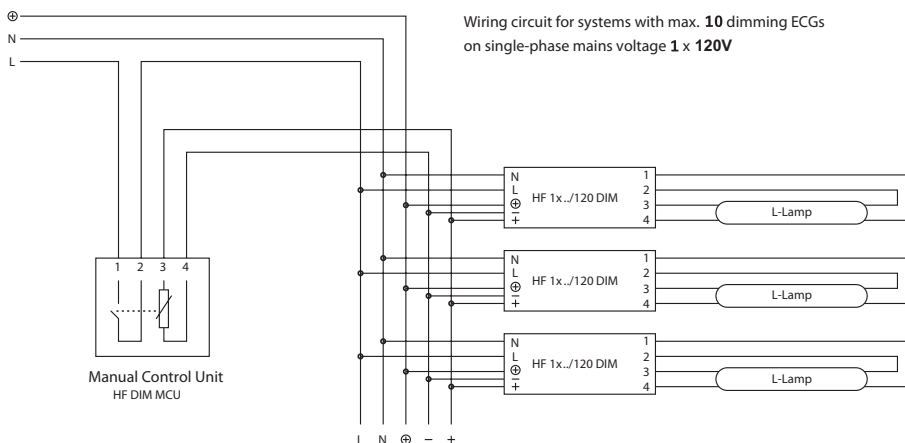
## 5-wire circuit


Additional control units necessary.



Circuit Diagram B







Dimming with 1-10 V. Addressing via bus systems. Various compatible modules allow individual possibilities for brightness control. Flush-mounted dimmers are supplied by several manufacturers such as Jung, Gira, Berker, Insta, Busch and Jäger.

Due to the large diversity we are unable to present all systems. If you have any specific demands please do send us your inquiry.












Incandescent lamps – 120V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>r</sub> /K	Ø/in	Length/in	Manufacturer
	A60	IA	E27	40	430		w	2500	2.4	4.1	OSR, PHI, SYL, GE
	A60	IA	E27	60	730		w	2500	2.4	4.1	OSR, PHI, SYL, GE
	A60	IA	E27	75	960		w	2500	2.4	4.1	OSR, PHI, SYL, GE
	A60	IA	E27	100	1380		w	2500	2.4	4.1	OSR, PHI, SYL, GE
	A65	IA	E27	150	2200		w	2500	2.6	4.8	OSR, PHI, SYL, GE
	A80	IA	E27	200	3150		w	2500	3.3	6.1	OSR, PHI, SYL, GE







Parabol reflector lamps – 120V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>r</sub> /K	Ø/in	Length/in	Manufacturer
	PAR 30–10°	IPAR	E27	75	6500		w	2900	3.8	3.6	PHI
	PAR 30–30°	IPAR	E27	75	2000		w	2900	3.8	3.6	PHI
	PAR 30–10°	IPAR	E27	100	9000		w	2900	3.8	3.6	PHI
	PAR 30–30°	IPAR	E27	100	3000		w	2900	3.8	3.6	PHI
	PAR 38–12°	IPAR	E27	60	3400		w	2500	4.8	5.5	OSR, PHI, GE
	PAR 38–30°	IPAR	E27	60	1200		w	2500	4.8	5.5	OSR, PHI, GE
	PAR 38–12°	IPAR	E27	80	5400		w	2500	4.8	5.5	OSR, PHI, GE
	PAR 38–30°	IPAR	E27	80	1800		w	2500	4.8	5.5	OSR, PHI, GE
	PAR 38–12°	IPAR	E27	120	9300		w	2500	4.8	5.5	OSR, PHI, GE
	PAR 38–30°	IPAR	E27	120	3100		w	2500	4.8	5.5	OSR, PHI, GE
	PAR-CB38–12°	IPAR	E27	120	9300		w	2500	4.8	5.4	PHI
	PAR-CB38–30°	IPAR	E27	120	3100		w	2500	4.8	5.4	PHI




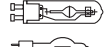

Halogen lamps with parabol reflector – 120V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>r</sub> /K	Ø/in	Length/in	Manufacturer
	QPAR 16–10°	HARI	E14	40	3000		w	2900	2.0	3.3	PHI
	QPAR 16–25°	HARI	E14	40	950		w	2900	2.0	3.3	PHI
	QPAR 16–40°	HAGS	E14	40	550		w	2900	2.0	3.0	OSR
	QPAR 16–25°	HAGS	E14	50	950		w	2900	2.0	3.1	SYL
	QPAR 16–25°	HAGS	GU10	35	800		w	2900	2.0	2.2	SYL
	QPAR 16–35°	HAGS	GU10	35	600		w	2900	2.0	2.2	OSR
	QPAR 16–25°	HARI	GU10	40	550		w	2800	2.0	2.1	PHI
	QPAR 16–50°	HARI	GU10	40	350		w	2800	2.0	2.1	PHI
	QPAR 16–35°	HAGS	GU10	50	950		w	2900	2.0	2.2	OSR
	QPAR 16–25°	HARI	GU10	50	1000		w	2800	2.0	2.1	PHI, SYL
	QPAR 16–50°	HARI	GU10	50	600		w	2800	2.0	2.1	PHI, SYL
	QPAR 16–40°	HAGS	GU10	50	950		w	2900	2.0	2.2	OSR
	QPAR-CB16–25°	HRGI	GZ10	50	1000		w	2900	2.0	2.1	PHI, SYL
	QPAR-CB16–35°	HRGS	GZ10	50	900		w	2900	2.0	2.2	OSR
	QPAR-CB16–50°	HRGI	GZ10	50	600		w	2900	2.0	2.1	PHI, SYL
		QPAR 20–10°	HAGS	E27	50	3000		w	2900	2.5	3.6
QPAR 20–25°		HAGS	E27	50	1000		w	2900	2.6	3.5	SYL, GE
QPAR 20–25°		HAGS	E27	50	1000		w	2800	2.5	3.6	PHI
QPAR 20–30°		HAGS	E27	50	1000		w	2900	2.5	3.6	OSR
QPAR-CB20–10°		HRGS	E27	50	3200		w	2900	2.5	3.6	OSR
QPAR-CB20–30°		HRGS	E27	50	1100		w	2900	2.5	3.6	OSR
QPAR 20–25°		HAGS	GU10	50	1500, 2500		w	2900	2.5	2.4	SYL, GE
QPAR 20–30°		HAGS	GU10	75	1900		w	2900	2.5	2.4	OSR
QPAR 20–25°		HAGS	GU10	75	2500		w	2900	2.5	2.4	SYL
QPAR 20–50°		HAGS	GU10	75	1000		w	2900	2.5	2.4	SYL
	QPAR-CB20–25°	HRGS	GZ10	75	2500		w	2900	2.5	2.4	SYL
	QPAR-CB20–50°	HRGS	GZ10	75	1000		w	2900	2.5	2.4	SYL
	QPAR 25–10°	HAGS	E27	50	4000		w	2900	3.2	4.3	SYL
	QPAR 25–25°	HAGS	E27	50	1100		w	2900	3.2	4.3	SYL
	QPAR 25–10°	HAGS	E27	75	5500		w	2900	3.2	4.3	SYL
	QPAR 25–25°	HAGS	E27	75	1300		w	2900	3.2	4.3	SYL
	QPAR 30–10°	HAGS	E27	75	6900, 6500, 7500		w	2900	3.8	3.6	OSR, PHI, SYL, GE
	QPAR 30–10°	HAGS	E27	75	15000		w	2900	3.8	4.7	PHI
	QPAR 30–30°	HAGS	E27	75	2000–2400		w	2900	3.8	3.6	OSR, PHI, SYL, GE
	QPAR 30–30°	HAGS	E27	75	3200		w	2900	3.8	4.7	PHI
	QPAR-CB30–10°	HRGS	E27	75	6900, 7500		w	2900	3.8	3.6	OSR, SYL
	QPAR-CB30–30°	HRGS	E27	75	2000, 2400		w	2900	3.8	3.6	OSR, SYL
	QPAR 30–10°	HAGS	E27	100	9000–10000		w	2900	3.8	3.6	PHI, SYL, GE
	QPAR 30–30°	HAGS	E27	100	3000–3500		w	2900	3.8	3.6	PHI, SYL, GE
	QPAR 35–24°	HAGS	GU10	75	3000		w	2800	2.8	4.3	SYL
	QPAR-CB35–10°	HRGS	GZ10	75	12000		w	2800	2.8	4.3	SYL
	QPAR-CB35–24°	HRGS	GZ10	75	5000		w	2800	2.8	4.3	SYL
	QPAR-CB35–10°	HRGS	GZ10	100	12000		w	2800	2.8	4.3	SYL
	QPAR-CB35–24°	HRGS	GZ10	100	5000		w	2800	2.8	4.3	SYL
	QPAR 38–10°	HARI	E27	75	9500, 6900		w	2900	4.9	5.4	PHI, SYL
	QPAR 38–30°	HARI	E27	75	2400, 2200		w	2900	4.9	5.4	PHI, SYL
	QPAR 38–10°	HARI	E27	100	15000, 10000		w	2900	4.9	5.4	PHI, SYL
	QPAR 38–30°	HARI	E27	100	3000, 3500		w	2900	4.9	5.4	PHI, SYL








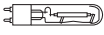
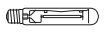
Halogen lamps – 120V




Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity I/cd	Light colours	Color temperature T <sub>c</sub> /K	Ø /in	Length/in	Manufacturer
	QT14/c	HS	G9	25	260		w	2900	0.6	1.7	OSR
	QT14/ m	HS	G9	25	230		w	2900	0.6	1.7	OSR
	QT13/c	HS	G9	40	490		w	2900	0.5,3.0	1.7	PHI
	QT13/ m	HS	G9	40	440		w	2900	0.5,3.0	1.7	PHI
	QT14/c	HS	G9	40	490		w	2900	0.6	1.7	OSR
	QT14/ m	HS	G9	40	460		w	2900	0.6	1.7	OSR
	QT13/c	HS	G9	60	820		w	2900	0.5,3.0	1.7	PHI
	QT13/ m	HS	G9	60	740		w	2900	0.5,3.0	1.7	PHI
	QT14/c	HS	G9	60	820		w	2900	0.6	2.0	OSR
	QT14/ m	HS	G9	60	790		w	2900	0.6	2.0	OSR
	QT13/c	HS	G9	75	1100		w	2900	0.5,3.0	1.7	PHI
	QT13/ m	HS	G9	75	1050		w	2900	0.5,3.0	1.7	PHI
	QT14/c	HS	G9	75	1100		w	2900	0.6	2.0	OSR
	QT14/ m	HS	G9	75	1050		w	2900	0.6	2.0	OSR
	QT18/c	HS	B15d	25	260		w	2900	0.7	2.6	OSR
	QT18/ m	HS	B15d	25	230		w	2900	0.7	2.6	OSR
	QT18/c	HS	B15d	40	490		w	2900	0.7	2.6	OSR
	QT18/ m	HS	B15d	40	460		w	2900	0.7	2.6	OSR
	QT18/c	HS	B15d	60	820		w	2900	0.7	2.6	OSR
	QT18/ m	HS	B15d	60	790		w	2900	0.7	2.6	OSR
	QT18/c	HS	B15d	60	820		w	2900	0.7	3.4	OSR
	QT18/ m	HS	B15d	60	790		w	2900	0.7	3.4	OSR
	QT18/c	HS	B15d	75	1100		w	2900	0.7	3.4	OSR
	QT18/ m	HS	B15d	75	1050		w	2900	0.7	3.4	OSR
	QT16/c	HS	B15d	75	975		w	2900	0.6	3.4	PHI
	QT16/ m	HS	B15d	75	910		w	2900	0.6	3.4	PHI
	QT18/c	HS	B15d	100	1500		w	2900	0.7	3.4	OSR
	QT18/ m	HS	B15d	100	1470		w	2900	0.6	3.4	OSR
	QT16/c	HS	B15d	100	1400		w	2900	0.6	3.4	PHI
		QT16/ m	HS	B15d	100	1350		w	2900	0.6	3.4
QT18/c		HS	B15d	150	2500		w	2900	0.7	3.4	OSR
QT18/ m		HS	B15d	150	2400		w	2900	0.7	3.4	OSR
QT18/c		HS	B15d	150	2500		w	2900	0.7	3.9	OSR
QT18/ m		HS	B15d	150	2400		w	2900	0.7	3.9	OSR
QT16/c		HS	B15d	150	2250		w	2900	0.6	3.4	PHI
QT16/ m		HS	B15d	150	2140		w	2900	0.6	3.4	PHI
QT18/c		HS	B15d	250	4350		w	2900	0.7	3.9	OSR
QT18/ m		HS	B15d	250	4210		w	2900	0.7	3.9	OSR
		QT32/c	HS	E27	60	820, 840		w	2900	1.3,1.3	4.1,4.1
	QT32/ m	HS	E27	60	790, 800		w	2900	1.3,1.3	4.1,4.1	OSR, PHI
	QT32/c	HS	E27	75	1100		w	2900	1.3	4.1	OSR
	QT32/ m	HS	E27	75	1050		w	2900	1.3	4.1	OSR
	QT32/c	HS	E27	100	1500, 1550		w	2900	1.3,1.3	4.1,4.1	OSR, PHI
	QT32/ m	HS	E27	100	1470, 1480		w	2900	1.3,1.3	4.1,4.1	OSR, PHI
	QT32/c	HS	E27	150	2500, 2550		w	2900	1.3,1.3	4.1,4.1	OSR, PHI, SYL
	QT32/ m	HS	E27	150	2400, 2380		w	2900	1.3,1.3	4.1,4.1	OSR, PHI, SYL
	QT32/c	HS	E27	250	4350		w	2900	1.3	4.1	OSR
	QT32/ m	HS	E27	250	4210		w	2900	1.3	4.1	OSR
	QT48/c	HS	E27	40	490		w	2900	1.9	4.6	OSR
	QT48/ m	HS	E27	40	460		w	2900	1.9	4.6	OSR
	QT48/c	HS	E27	60	840, 820		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL, GE
	QT48/ m	HS	E27	60	780, 800, 700		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL, GE
	QT48/c	HS	E27	100	1600, 1550, 1500		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL, GE
	QT48/ m	HS	E27	100	1450, 1480, 1350		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL, GE
	QT48/c	HS	E27	150	2550		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL
	QT48/ m	HS	E27	150	2100, 2380, 2350		w	2900	1.9,1.9	4.6,4.3	OSR, PHI, SYL
	QT-DE 11/12	HD	R7s	60	840, 810		w	3000, 2900	0.5	2.9	OSR, PHI, SYL
	QT-DE 11/12	HD	R7s	100	1600, 1650		w	3000, 2900	0.5	2.9	OSR, PHI, SYL, GE
	QT-DE 11/12	HD	R7s	150	2500, 2400, 2600		w	3000, 2900	0.5	2.9	OSR, PHI, SYL, GE
	QT-DE 11/12	HD	R7s	200	3400, 3200		w	2900	0.5	2.9	PHI, GE
	QT-DE 11/12	HD	R7s	250	4000		w	3000	0.5	2.9	GE
	QT-DE 11/12	HD	R7s	150	2500, 2250, 1875		w	3000, 2900	0.5	4.5	OSR, PHI, SYL, GE
	QT-DE 11/12	HD	R7s	200	3500, 3520		w	3000, 2900	0.5	4.5	OSR, PHI, SYL, GE
	QT-DE 11/12	HD	R7s	225	4800		w	3000	0.5	4.5	GE
	QT-DE 11/12	HD	R7s	250	5550, 4000		w	3000	0.5	4.5	GE
	QT-DE 11/12	HD	R7s	300	5300, 5600, 4800		w	3000, 2900	0.5	4.5	OSR, PHI, SYL, GE
	QT-DE 11/12	HD	R7s	375	9000		w	3000	0.5	4.5	GE
	QT-DE 11/12	HD	R7s	400	9500		w	3000	0.5	4.5	OSR
QT-DE 11/12	HD	R7s	500	9500, 9900, 9250		w	3000, 2900	0.5	4.5	OSR, PHI, SYL, GE	


Halogen lamps – 12V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T/K	Ø /in	Length/in	Manufacturer
	QT 9-LP-ax/c	HS	G4	5	60		w	3000	0.4	1.3	SYL
	QT 9-LP-tr/c	HS	G4	5	60		w	3000, 2800	0.4	1.3,1.2	OSR, PHI
	QT 9-tr/c	HS	G4	5	60		w	3000	0.4	1.2	GE
	QT 9-LP-ax/c	HS	G4	10	130, 140, 120		w	3000, 2850	0.4	1.3	OSR, PHI, SYL, GE
	QT 9-LP-tr/c	HSv	G4	10	140		w	3000	0.4	1.3	OSR
	QT 9-LP-tr/m	HS	G4	10	130		w	3000	0.4	1.3	OSR
	QT 9-ax/c	HS	G4	10	140		w	3000	0.4	1.3	SYL
	QT 9-tr/c	HS	G4	10	140		w	3000	0.4	1.2	GE
	QT 9-LP-ax/c	HS	G4	20	320		w	3000	0.4	1.3	OSR, PHI
	QT 9-LP-ax/m	HS	G4	20	315		w	3000	0.4	1.3	PHI
	QT 9-LP-tr/c	HS	G4	20	320		w	3000	0.4	1.3	OSR, PHI, SYL, GE
	QT 9-LP-tr/m	HS	G4	20	300		w	3000	0.4	1.3	OSR
	QT 9-ax/c	HS	G4	20	350, 400		w	3000	0.4	1.3	SYL, GE
	QT 9-ax/c	HS	G4	35	650		w	3000	0.4	1.3	SYL
	QT 12-LP-ax/c	HSE	GY6,35	20	320, 300		w	3000	0.5	1.7	OSR, PHI, SYL
	QT 10-ax/c	HSE	GY6,35	20	300		w	3000	0.5	1.7	GE
	QT 12-LP-ax/c	HSE	GY6,35	35	600		w	3000	0.5	1.7	OSR, PHI, SYL, GE
	QT 12-LP-ax/m	HSE	GY6,35	35	575		w	3000	0.5	1.7	PHI
	QT 12-LP-tr/c	HSE	GY6,35	35	600		w	3000	0.5	1.7	OSR
	QT 12-LPtr/m	HSE	GY6,35	35	570		w	3000	0.5	1.7	OSR
QT 12-ax/c	HSE	GY6,35	35	650		w	3000	0.5	1.7	SYL	
QT 12-tr/c	HSE	GY6,35	35	550		w	3000	0.5	1.7	GE	
QT 12-LP-ax/c	HSE	GY6,35	50	910, 950, 800, 1200		w	3000	0.5	1.7	OSR, PHI, SYL, GE	
QT 12-LP-ax/m	HSE	GY6,35	50	950		w	3000	0.4	1.3	PHI	
QT 12-LP-tr/c	HSE	GY6,35	50	910		w	3000	0.5	1.7	OSR	
QT 12-LP-tr/m	HSE	GY6,35	50	830		w	3000	0.5	1.7	OSR	
QT 12-ax/c	HSE	GY6,35	50	900, 1000		w	3000	0.5	1.7	SYL, GE	
QT 12-tr/c	HSE	GY6,35	50	850		w	3000	0.5	1.7	GE	
QT 12-LP-ax/c	HSE	GY6,35	65	1800		w	3000	0.5	1.7	OSR	
QT 12-LP-ax/c	HSE	GY6,35	75	1450, 1575, 1350		w	3000	0.5	1.7	OSR, PHI, GE	
QT 12-ax/c	HSE	GY6,35	75	1350, 1600		w	3000	0.5	1.7	SYL, GE	
QT 12-tr/c	HSE	GY6,35	75	1350		w	3000	0.5	1.7	GE	
QT 12-LP-ax/c	HSE	GY6,35	90	1800		w	3000	0.5	1.7	OSR	
QT 12-LP-ax/c	HSE	GY6,35	100	2550		w	3000	0.5	1.7	PHI	
QT 12-ax/c	HSE	GY6,35	100	2150, 2300		w	3000	0.5	1.7	SYL, GE	
QT 12-tr/c	HSE	GY6,35	100	2100		w	3000	0.5	1.7	GE	
	QR-CBC35-38°	HR	GU4	10		300	w	3000	1.4,0.1	1.5	OSR
	QR-CBC35-10°	HR	GU4	20		3200, 4800, 4950	w	3000, 2900, 3100	1.4,0.1,1.4	1.5,1.6,1.7	OSR, PHI, SYL, GE
	QR-CBC35-17°	HR	GU4	20		1700	w	2900	1.4	1.7	GE
	QR-CBC35-30°	HR	GU4	20		800, 540, 700	w	2900, 3000	1.4,0.1,1.4	1.6,1.7	PHI, SYL, GE
	QR-CBC35-38°	HR	GU4	20		500	w	3000	1.4,0.1	1.5	OSR
	QR-CBC35-10°	HR	GU4	35		5400, 7000	w	3000, 2900, 3100	1.4,0.1,1.4	1.7	OSR, PHI, SYL, GE
	QR-CBC35-20°	HR	GU4	35		2700	w	2900	1.4	1.5,1.6,1.7	GE
	QR-CBC35-30°	HR	GU4	35		1500, 1300	w	3000	1.4,0.1,1.4	1.6,1.7	PHI, SYL
	QR-CBC35-38°	HR	GU4	35		900	w	3000	1.4,0.1	1.7	OSR
	QR-CBC51-8°	HRGS	GU5.3	20		6500, 600	w	3150, 3000	2.0,2.0	2.0,2.0	PHI, GE
	QR-CBC51-10°	HRGS	GU5.3	20 (IRC)		6000, 5000, 4000	w	3000, 2925, 3200	2.0,2.0	1.8,1.8	OSR, PHI, SYL, GE
	QR-CBC51-24°	HRGS	GU5.3	20 (IRC)		2300, 1300	w	3000, 3200	2.0,2.0	1.8,1.8	OSR, PHI
	QR-CBC51-36°	HRGS	GU5.3	20		780, 1000	w	3000, 3150	2.0,2.0	1.8,2.0	PHI, GE
	QR-CBC51-38°	HRGS	GU5.3	20		1000, 780	w	3000, 3200	2.0	1.8	OSR, SYL
	QR-CBC51-60°	HRGS	GU5.3	20		450, 350	w	3000, 3200	2.0,2.0	1.8,1.8	OSR, PHI
QR-CBC51-8°	HRGS	GU5.3	30		11000	w	3150	2.0	2.0	PHI	
QR-CBC51-24°	HRGS	GU5.3	30		3350	w	3150	2.0	2.0	PHI	
QR-CBC51-36°	HRGS	GU5.3	30		1600	w	3150	2.0	2.0	PHI	
QR-CBC51-60°	HRGS	GU5.3	30		750	w	3150	2.0	2.0	PHI	
QR-CBC51-8°	HRGS	GU5.3	35		14000	w	3150	2.0	2.0	PHI	
	QR-CBC51-10°	HRGS	GU5.3	35 (IRC)		12500, 8000, 5400	w, i	3000, 3200, 4100	2.0,2.0	1.8,1.8	OSR, PHI, SYL
	QR-CBC51-24°	HRGS	GU5.3	35 (IRC)		4400, 3100, 1700	w, i	3000, 3200, 4100	2.0,2.0	1.8,1.8,2.0	OSR, PHI, GE
	QR-CBC51-36°	HRGS	GU5.3	35		1500, 2200	w, i	3200, 4100	2.0,2.0	1.8,2.0	PHI, GE
	QR-CBC51-38°	HRGS	GU5.3	35 (IRC)		2200, 1450	w	3000, 3200	2.0	1.8	OSR, SYL
	QR-CBC51-60°	HRGS	GU5.3	35 (IRC)		1100, 1050	w	3000, 3200	2.0,2.0	1.8,2.0	OSR, PHI
	QR-CBC51-8°	HRGS	GU5.3	45		16000	w	3150	2.0	2.0	PHI
	QR-CBC51-24°	HRGS	GU5.3	45		5450	w	3150	2.0	2.0	PHI
	QR-CBC51-36°	HRGS	GU5.3	45		2850	w	3150	2.0	2.0	PHI
	QR-CBC51-60°	HRGS	GU5.3	45		1300	w	3150	2.0	2.0	PHI
	QR-CBC51-8°	HRGS	GU5.3	50		10100	w	3000	2.0	1.8	GE
	QR-CBC51-10	HRGS	GU5.3	50 (IRC)		15000, 13000, 6400	w, i	3000, 3200, 4100	2.0,2.0	1.8,1.8	OSR, PHI, SYL
	QR-CBC51-24°	HRGS	GU5.3	50 (IRC)		5700, 4400, 2700	w, i	3000, 3200, 4100	2.0,2.0	1.8,1.8	OSR, PHI, SYL, GE


Halogen lamps – 12V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>c</sub> /K	Ø /in	Length/in	Manufacturer
	QR-CBC51-36°	HRGS	GU5,3	50	2200, 1200	2200, 1200	w, i	3000, 4100	2.0,2.0	1.8,2.0	PHI, GE
	QR-CBC51-38°	HRGS	GU5,3	50 (IRC)	2850, 2200	2850, 2200	w	3000, 3200	2.0	1.8	OSR, SYL
	QR-CBC51-60°	HRGS	GU5,3	50 (IRC)	1430, 1100, 950	1430, 1100, 950	w	3000, 3200	2.0,2.0	1.8,1.8	OSR, PHI, SYL, GE
	QR-CBC51-15°	HRGS	GU5,3	75	9800	9800	w	3050	1.8	2.0	GE
	QR-CBC51-25°	HRGS	GU5,3	75	4600	4600	w	3050	1.8	2.0	GE
	QR38/c- 6°	HR	BA15d	20	6400	6400	w	3000	1.5	1.5	PHI
	QR38/c- 18°	HR	BA15d	20	1500	1500	w	3000	1.5	1.5	PHI
	QR38/m- 18°	HR	BA15d	20	1000	1000	w	3000	1.5	1.5	PHI
	QR38/c- 32°	HR	BA15d	20	750	750	w	3000	1.5	1.5	PHI
	QR38/m- 34°	HR	BA15d	20	350	350	w	3000	1.5	1.5	PHI
	QR51/c-36°	HR	GU5,3	50	1800	1800	w	3000	2.0	1.8	GE
	QR51-LP/c-38°	HR	GU5,3	50	1800, 1950	1800, 1950	w	3000, 3100	2.0	1.8	OSR, SYL
	QR51-LP/c-38°	HR	GU5,3	35	1100	1100	w	3000	2.0	1.8	OSR
	QR-LP70/c-8°	HR	BA15d	20	7700	7700	w	3000	2.8	2.0	OSR
	QR-LP70/c-24°	HR	BA15d	20	9000	9000	w	3000	2.8	2.0	OSR
	QR-LP70/c-8°	HR	BA15d	50	12500	12500	w	3000	2.8	2.0	OSR
	QR-LP70/c-24°	HR	BA15d	50	2600	2600	w	3000	2.8	2.0	OSR
	QR-C58/c-10°	HR	B15d	50	12000	12000	w	3000	2.2	2.2	PHI
	QR-C58/c-25°	HR	B15d	50	2500	2500	w	3000	2.2	2.2	PHI
	QR-C58/m-22°	HR	B15d	50	2000	2000	w	3000	2.2	2.2	PHI
	QR111-LP- 4°	HMG5	G53	35	35000	35000	w	3000	4.4	2.4	OSR
	QR111-LP- 8°	HMG5	G53	35 IRC	22500	22500	w	3000	4.4	2.2	OSR
	QR111-LP- 24°	HMG5	G53	35 (IRC)	2500 (4500)	2500 (4500)	w	3000	4.4	2.3	OSR
	QR111-LP- 4°	HMG5	G53	50	40000	40000	w	3000	4.4	2.4	OSR
	QR111-LP- 8°	HMG5	G53	50 (IRC)	33000, 23000	33000, 23000	w	3000	4.4	2.2,2.5	OSR, PHI
	QR111-LP- 24°	HMG5	G53	50 (IRC)	5800, 4000	5800, 4000	w	3000	4.4	2.3,2.5	OSR, PHI
	QR111-LP- 8°	HMG5	G53	65 IRC	45000	45000	w	3000	4.4	2.2	OSR
	QR111-LP- 24°	HMG5	G53	65 IRC	8500	8500	w	3000	4.4	2.3	OSR
	QR111-LP- 8°	HMG5	G53	75	30000	30000	w	3000	4.4	2.2,2.5	OSR, PHI
	QR111-LP- 24°	HMG5	G53	75	5300	5300	w	3000	4.4	2.3,2.5	OSR, PHI
	QR111-LP- 45°	HMG5	G53	75	2000, 1900	2000, 1900	w	3000	4.4	2.2,2.5	OSR, PHI
	QR111-LP- 8°	HMG5	G53	100	48000	48000	w	3000	4.4	2.2,2.5	OSR, PHI
	QR111-LP- 24°	HMG5	G53	100	8500	8500	w	3000	4.4	2.3,2.5	OSR, PHI
	QR111-LP- 45°	HMG5	G53	100	2800	2800	w	3000	4.4	2.2,2.5	OSR, PHI


Halogen metal halide lamps												
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>c</sub> /K	Ø /in	Length/in	Manufacturer	
	HIT-CE	MT	E27	70	6000	6000	i	4200			GE	
	HIT-CE	MT	E27	70	6500, 6300	6500, 6300	w	3000	1.2, 1.3	5.9, 6.1	OSR, PHI	
	HIT-CE	MT	E40	100	8700	8700	w	3000	1.9	8.3	PHI	
	HIT-CE	MT	E40	150	13500, 12000, 14500	13500, 12000, 14500	w, i	3000, 4200	1.8, 1.9	8.0, 8.3	OSR, PHI, GE	
	HIT-CE	MT	E40	250	25800	25800	w	3300	1.8	8.9	OSR	
	HIT	MT	E40	250	20000	20000	i	4500		10.0	SYL	
	HIT	MT	E40	250	20000, 19000	20000, 19000	i, c	5300, 5400, 6000	1.8	8.9, 8.7, 10.1	OSR, SYL, GE	
	HIT	MT	E40	250	23000, 21000	23000, 21000	i	4000, 4200	1.9	8.7, 10.1	SYL, GE	
	HIT	MT	E40	400	36000	36000	i	4200		10.8	SYL	
	HIT	MT	E40	400	28000	28000	c	6000		10.6	GE	
	HIT	MT	E40	400	35000	35000	i	4200		10.2	GE	
	HIT	MT	E40	400	42000, 35000	42000, 35000	i	4200, 4300, 3700	1.8, 1.9	10.7, 11.3, 11.1	OSR, SYL, GE	
	HIT	MT	E40	1000	80000, 85000, 81000	80000, 85000, 81000	i, c	4000	3.0, 2.6	13.4, 15.0	OSR, PHI, SYL	
		HIT-CE	MT	G12	35	3300	3300	w, i	3000, 4200	0.7, 0.8	3.9, 3.5	OSR, PHI, SYL, GE
		HIT-CE	MT	G12	70	6500, 6600	6500, 6600	i	4200	0.7, 0.8	3.9, 3.5, 4.1	OSR, PHI, SYL, GE
HIT-CE		MT	G12	70	6700, 6600	6700, 6600	w	3000	0.7, 0.8	3.9, 3.5, 4.1	OSR, PHI, SYL, GE	
HIT		MT	G12	70	5500, 5400	5500, 5400	w, i	3000, 4200	1.0	3.3, 3.0	OSR, SYL, GE	
HIT		MT	G12	70	5200	5200	w	3000		3.0	GE	
HIT-CE		MT	G12	150	14500, 14000, 13000	14500, 14000, 13000	w, i	3000, 4200	1.0, 0.8	3.9, 3.5, 4.1	OSR, PHI, SYL, GE	
	HIT-TC-CE	MT	G8.5	35	3300	3300	w	3000	0.6, 0.6	3.2, 3.3	OSR, PHI, SYL, GE	
	HIT-TC-CE	MT	G8.	70	6900, 6400, 6600	6900, 6400, 6600	w	3000	0.6, 0.6	3.2, 3.3	OSR, PHI, SYL, GE	
	HIT-TC-CE	MT	G8.5	20	1700	1700	w	3000	0.6	3.2	GE	
	HIT-TC-CE	MT	GU6.5	20	1700, 1615	1700, 1615	w	3000	0.5	2.2	OSR, GE	
	HIT-TC-CE	MT	GU6.5	35	3400	3400	w	3000	0.5	2.2	OSR, GE	
	HIT-TC-CE	MT	PGJ5	20/35	1500/3000	1500/3000	w	3000	0.7	2.1	PHI	








Halogen metal halide lamps												
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity I/cd	Light colors	Color temperature T <sub>r</sub> /K	Ø /in	Length/in	Manufacturer	
	HIT-CE-P	MTH	PG12-2	70	6000		w, i	3000, 4200	1.3	5.7		
	HIT-CE-P	MTH	PG12-2	150	12000		w, i	3000, 4200	1.3	5.7		
	HIT-DE-CE	MD	RX7s	70	6600, 6500		w, i	3000, 4200	0.8	4.5,0.1,4.6,0.2	OSR, PHI, SYL, GE	
	HIT-DE	MD	RX7s	70	6000		w, i	3000-4300		4.5,0.1		
	HIT-DE	MD	RX7s	70	5500, 6200		w, i	3000, 4200, 5200	0.8,0.8	4.5,0.1,4.6,0.2	OSR, PHI, SYL	
	HIT-DE-CE	MD	RX7s-24	150	14800, 14200		w, i	3000, 4200	0.9	5.2,5.3,0.2	OSR, PHI, SYL, GE	
	HIT-DE	MD	RX7s-24	150	11000, 13800		w, i	3000, 4200, 5200	0.9,0.9	5.2,5.3,0.2	OSR, PHI, SYL, GE	
	HIT-DE	MD	RX7s-24	150	11000, 13800		w, i	3000, 4200, 5200	0.9,0.9	5.2,5.3,0.2	OSR, PHI, SYL, GE	
	HIE-CE	MCS	E 27	70	5900		w	3000	2.8	6.1		
	HIE/c	MCS	E 27	70	5200		w, i	3000, 4200	2.2,2.1	5.7,5.4	OSR, SYL	
	HIE/m	MCS	E 27	70	4900		w, i	3000, 4200	2.2	5.7	OSR	
	HIE	MCS	E 27	70	5000		w	3000	2.1	5.4		
	HIE/c	MCS	E 27	100	8500		w, i	3000, 4200	2.2,2.1	5.7,5.4	OSR, SYL	
	HIE/m	MCS	E 27	100	8000		w, i	3000, 4200	2.2	5.7	OSR	
	HIE/c	MCS	E 27	150	12000		w, i	3000, 4200	2.2,2.1	5.7,5.4	OSR, SYL	
	HIE/m	MCS	E 27	150	12000		w, i	3000, 4200	2.2	5.7	OSR	
	HIE-CE	MCS	E 40	100	8200		w	3000	3.0	7.3		
	HIE-CE	MCS	E 40	150	13000		w	3000	3.6	8.9		
	HIE/m	MCS	E 40	250	17000		c	6000	3.5,3.6	8.9,8.9	OSR, GE	
	HIE	MCS	E 40	250	19000		i	4300, 3700, 3800	3.5,3.6	8.9,8.9	PHI, SYL, GE	
	HIE/m	MCS	E 40	400	31000, 23000		c	5900, 6000	4.7	11.4	OSR, SYL	
	HIE/m	MCS	E 40	400	40000, 35000, 37000		i	3800, 4300, 4000	4.7,4.8	11.2,11.2,11.4	OSR, PHI, SYL	
	HIE/m	MCS	E 40	1000	95000		i	4700	6.5	15.0	OSR	
		HIPAR 20-Spot	MTR	E27	35		22000, 23000	w	3000	2.6	3.7	OSR, PHI
		HIPAR 20-Flood	MTR	E27	35		5000	w	3000	2.6	3.7	OSR, PHI
		HIPAR 30-Spot	MTR	E27	35		37000, 44000	w	3000	3.8	4.9	OSR, PHI
HIPAR 30-Flood		MTR	E27	35		7000, 7400	w	3000	3.8	4.9	OSR, PHI	
HIPAR 30-Spot		MTR	E27	70		55000, 68000	w	3000	3.8	4.9	OSR, PHI	
HIPAR 30-Flood		MTR	E27	70		10000	w	3000	3.8	4.9	OSR, PHI	
	HIPAR51-10°	MRS	GX10	20	1080		w	2910	2.0	2.1		
	HIPAR51-12°	MRS	GX10	20		19000	w	3000	2.0	2.1		
	HIPAR51-12°	MRS	GX10	35		10000	i	4200	2.0	2.1		
	HIPAR51-24°	MRS	GX10	20		3200	w	3000	2.0	2.1		
	HIPAR51-24°	MRS	GX10	35		7000	w	3000	2.0	2.1		
	HIPAR51-25°	MRS	GX10	20	1080		w	2910	2.0	2.1		
	HIPAR51-25°	MRS	GX10	20		10000	w	3000	2.0	2.1		
	HIPAR51-25°	MRS	GX10	35		10000	i	4200	2.0	2.1		
	HIPAR51-38°	MRS	GX10	20		1850	w	3000	2.0	2.1		
	HIPAR51-38°	MRS	GX10	35		4000	w	3000	2.0	2.1		
	HIPAR51-40°	MRS	GX10	20	1080		w	2910	2.0	2.1		
	HIPAR51-40°	MRS	GX10	20		10000	w	3000	2.0	2.1		
	HIPAR51-40°	MRS	GX10	35		10000	i	4200	2.0	2.1		
	HIPAR51-60°	MRS	GX10	20		920	w	3000	2.0	2.1		
	HIPAR51-60°	MRS	GX10	35		2000	w	3000	2.0	2.1	SYL	
		HIPAR 111-10°	MRS	GX8,5	35		35000	w	3000	4.4	3.7	PHI (CDM-R111)
		HIPAR 111-24°	MRS	GX8,5	35		8500	w	3000	4.4	3.7	PHI (CDM-R111)
		HIPAR 111-40°	MRS	GX8,5	35		4000	w	3000	4.4	3.7	PHI (CDM-R111)
HIPAR 111-10°		MRS	GX8,5	70		50000	w	3000	4.4	3.7	PHI (CDM-R111)	
HIPAR 111-24°		MRS	GX8,5	70		15000	w	3000	4.4	3.7	PHI (CDM-R111)	
HIPAR 111-40°		MRS	GX8,5	70		9000	w	3000	4.4	3.7	PHI (CDM-R111)	
High-pressure sodium vapour lamps												
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity I/cd	Light colors	Color temperature T <sub>r</sub> /K	Ø /in	Length/in	Manufacturer	
	HST-CRI	STH	GX12-1	50	2300		w	2550	0.7	3.8	PHI	
	HST-CRI	STH	GX12-1	100	5000		w	2500	0.7	3.8	PHI	
	HST-CRI	STH	PG12-1	35	1300		w	2500	1.3	5.9	PHI	
	HST-CRI	STH	PG12-1	50	2300		w	2500	1.3	5.9	PHI	
	HST-CRI	STH	PG12-1	100	4800		w	2550	1.3	5.9	PHI	
	HST	ST	E27	35	2000		w	2050	1.3	5.3	SYL	
	HST-MF	ST	E27	50	4400, 4000		w	2000, 1900	1.5,1.3	6.1	OSR, PHI, GE	
	HST	ST	E27	50	3400, 4000		w	2000, 2050	1.5	6.1	SYL, GE	
	HST-MF	ST	E27	70	6500, 6600		w	2000, 1900	1.5,1.3	6.1	OSR, PHI, GE	
	HST	ST	E27	70	5900, 6000, 5300		w	2000, 2050	1.5,1.3	6.1	OSR, PHI, SYL, GE	
	HST-MF	ST	E40	100	10000, 10500, 8800		w	2000, 1950, 2050	1.8,1.9	8.3	OSR, PHI, SYL, GE	
	HST	ST	E40	100	9600		w	2000	1.9	8.3	GE	
	HST-CRI	ST	E40	150	13000		w	2150, 2200	1.9	8.3	PHI, GE	
	HST-MF	ST	E40	150	17200, 16500, 15000		w	1950, 2000, 2150	1.8,1.9	8.3	OSR, PHI, SYL	
	HST	ST	E40	150	14500, 15000		w	1900, 2000, 2050	1.8,1.9	8.3	OSR, PHI, SYL, GE	
	HST-CRI	ST	E40	250	23000		w	2150, 2200	1.9	10.1	PHI, GE	
	HST-MF	ST	E40	250	33000, 28000		w	1950, 2150, 2000	1.8,1.9	10.1	OSR, PHI, SYL	
	HST	ST	E40	250	27000, 28000		w	1950, 2000, 2100	1.8,1.9	10.1	OSR, PHI, SYL, GE	












High-pressure sodium vapour lamps											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature $T_c$ /K	$\emptyset$ /in	Length/in	Manufacturer
	HST-CRI	ST	E 40	400	38000, 37000		w	2150, 2200	1.9	11.1	PHI, GE
	HST-MF	ST	E 40	400	55000, 48000, 56500		w	2000, 2100	1.8, 1.9	11.2, 11.1	OSR, PHI, SYL, GE
	HST	ST	E 40	400	48000		w	1950, 2150, 2050	1.8, 1.9	11.2, 11.1	OSR, PHI, SYL, GE
	HST-MF	ST	E 40	600	90000, 85000		w	1950, 2000, 2100	1.8, 1.9, 2.0	11.2, 11.1	OSR, PHI, SYL, GE
	HST	ST	E 40	1000	130000		w	2000, 2050	2.6, 2.6	14.0, 15.4, 15.7	OSR, PHI, SYL, GE
	HST-DE-MF	SD	RX 7s	70	6800		w	2000	0.8	4.5	OSR
	HST-DE-MF	SD	RX 7s-24	150	15000		w	2000	0.9	5.2	OSR
	HST-DE	SD	Fc2	250	25500		w	2000	0.9	8.1	OSR
	HST-DE	SD	Fc2	400	48000		w	2000	0.9	8.1	OSR
	HSE-MF	SE	E27	35	2200		w	1800	2.2	5.1	OSR
	HSE	SE	E27	35	1800		w	2050	2.8	6.5	SYL
	HSE	SE	E27	50	3500, 3600		w	1900, 2000, 2050	2.8, 2.8, 2.8	6.1, 6.5	OSR, PHI, SYL, GE
	HSE	SE	E27	70	5600, 5000		w	1900, 2000, 2050	2.8, 2.8, 2.8	6.1, 6.5	OSR, PHI, SYL, GE
	HSE	SE	E27	100	9500		w	2050	3.0	7.2	SYL
	HSE-MF	SE	E 40	100	9500, 10000, 8000		w	2000, 2050	3.0, 3.0	7.3	OSR, PHI, SYL
	HSE	SE	E 40	100	9200		w	2050	3.0	7.3	GE
	HSE-CRI	SE	E 40	150	12500, 12000		w	2150, 2200	3.0, 3.6	8.9	PHI, GE
	HSE-MF	SE	E 40	150	16700, 16000, 17000		w	2000, 2050	3.5	8.9	OSR, PHI, SYL, GE
	HSE	SE	E 40	150	14000, 14500		w	1900, 2000, 2050	3.5, 3.0	8.9	OSR, PHI, SYL, GE
	HSE-CRI	SE	E 40	250	22000		w	2150, 2200	3.0, 3.6	8.9	PHI, GE
	HSE-MF	SE	E 40	250	31000, 30000, 32000		w	2000, 2050	3.5, 3.6	8.9	OSR, PHI, SYL, GE
	HSE	SE	E 40	250	25000, 27000		w	1950, 2000, 2050	3.5, 3.0	8.9	OSR, PHI, SYL, GE
	HSE-CRI	SE	E 40	400	37000, 36000		w	2150, 2200	4.8	11.4	PHI, GE
	HSE-MF	SE	E 40	400	54000, 50500		w	2000, 2100	4.7	11.4	OSR, PHI, SYL, GE
	HSE	SE	E 40	400	47000, 48000		w	2000, 2050	4.7, 4.8	11.4	OSR, PHI, SYL, GE
	HSE	SE	E 40	1000	120000, 130000		w	2000, 2100	6.5, 6.5, 0.2	14.6, 15.7	OSR, PHI, GE

High-pressure mercury vapour lamps											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature $T_c$ /K	$\emptyset$ /in	Length/in	Manufacturer
	HME	QE	E27	50	1600		w	3000	2.2, 2.2	5.1	OSR, SYL
	HME	QE	E27	50	2000		i	3300, 3500	2.2	5.1	OSR, GE
	HME	QE	E27	50	1800, 1770		i	4000, 4200	2.2, 2.2	5.1	OSR, PHI, SYL, GE
	HME	QE	E27	80	3400		w	3000	2.8	6.1	OSR, SYL
	HME	QE	E27	80	4000		i	3300, 3500	2.8	6.1	OSR, GE
	HME	QE	E27	80	3800, 3600		i	4000, 4100, 4300	2.8, 2.8	6.1, 6.1	OSR, PHI, SYL, GE
	HME	QE	E27	125	5700		w	3000	3.0	6.7	OSR, SYL
	HME	QE	E27	125	6500, 6700		i	3300, 3400	3.0	6.7	OSR, GE
	HME	QE	E27	125	6300, 6200		i	4000, 4100	3.0, 3.0	6.7, 7.2	OSR, PHI, SYL, GE
	HME	QE	E 40	125	6200		i	4100	3.0	7.2	PHI
	HME	QE	E 40	250	14000, 14200		w, i	3100, 3300, 3400, 3350	3.5, 3.6	8.9, 9.0	OSR, PHI, SYL, GE
	HME	QE	E 40	250	13000, 12700		i	3900, 4100, 4000	3.5, 3.6	8.9, 9.0	OSR, PHI, SYL, GE
	HME	QE	E 40	400	24000, 24200		w, i	3000, 3400, 3500	4.7, 4.8, 0.2, 4.8	11.4, 11.5	OSR, PHI, SYL, GE
	HME	QE	E 40	400	22000		i	3800, 3900, 4000	4.7, 4.8, 0.2	11.4	OSR, PHI, SYL, GE
	HME	QE	E 40	700	42000, 38500, 40000		i	3550, 4000	5.5, 5.6, 0.2	13.3, 12.9, 13.0	OSR, PHI, SYL, GE
	HME	QE	E 40	1000	57000, 58500, 58000		i	3550, 3900, 4000	6.5, 6.5, 0.2, 6.6	14.0, 15.7, 15.4	OSR, PHI, SYL, GE

Crypton – 120V											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature $T_c$ /K	$\emptyset$ /in	Length/in	Manufacturer
	M45	IAM	E 27	25	240		w		2.0	3.5	OSR
	M45	IAM	E 27	40	455		w		2.0	3.5	OSR
	M45	IAM	E 27	60	760, 630		w		2.0	3.5	OSR, PHI
	M45	IAM	E 27	75	1000		w		2.4	4.1	OSR
	M45	IAM	E 27	100	1420		w		2.4	4.1	OSR

Fluorescent lamps											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature $T_c$ /K	$\emptyset$ /in	Length/in	Manufacturer
	TL6	FD	G 5	14	1200		w, i	2700, 3000, 3500, 4000	0.6, 0.7	21.6	OSR, PHI, SYL, GE
	TL6	FD	G 5	14	1100		i, c	5000, 6000, 6500	0.6, 0.7	21.6	OSR, PHI, SYL, GE
	TL6	FD	G 5	21	1900		w, i	2700, 3000, 3500, 4000	0.6, 0.7	33.4	OSR, PHI, SYL, GE
	TL6	FD	G 5	21	1750		i, c	5000, 6000, 6500	0.6, 0.7	33.4	OSR, PHI, SYL, GE
	TL6	FD	G 5	24	1400		i	4000	0.6, 0.7	21.6	OSR, PHI
	TL6	FD	G 5	24	1300		c	6500	0.6, 0.7	21.6	OSR, PHI
	TL6	FD	G 5	24	1750		w, i	2700, 3000, 4000	0.6, 0.7	21.6	OSR, PHI, SYL, GE
	TL6	FD	G 5	24	1600, 1650		c	6000, 6500	0.6, 0.7	21.6	OSR, PHI, SYL, GE
	TL6	FD	G 5	28	2600		w, i	2700, 3000, 3500, 4000	0.6, 0.7	45.2	OSR, PHI, SYL, GE
	TL6	FD	G 5	28	2400		i, c	5000, 6000, 6500	0.6, 0.7	45.2	OSR, PHI, SYL, GE
	TL6	FD	G 5	35	3300		w, i	2700, 3000, 3500, 4000	0.6, 0.7	45.2	OSR, PHI, SYL, GE
	TL6	FD	G 5	35	3050, 3100		i, c	5000, 6000, 6500	0.6, 0.7	45.2	OSR, PHI, SYL, GE
	TL6	FD	G 5	39	3100		w, i	2700, 3000, 4000	0.6, 0.7	33.4	OSR, PHI, SYL, GE
	TL6	FD	G 5	39	2850, 2950		c	6000, 6500	0.6, 0.7	33.4	OSR, PHI, SYL, GE

Fluorescent lamps											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>c</sub> /K	$\emptyset$ /in	Length/in	Manufacturer
	T16	FD	G5	49	3450		i	4000	0,6,0,7	45,2	
	T16	FD	G5	49	3500		c	6500	0,6,0,7	45,2	OSR, PHI
	T16	FD	G5	49	4300		w, i	2700, 3000, 4000	0,6,0,7	45,2	OSR, PHI, SYL, GE
	T16	FD	G5	49	4100		c	6500	0,6,0,7	45,2	PHI, SYL, GE
	T16	FD	G5	54	3500		i	4000	0,6,0,7	45,2	OSR, PHI
	T16	FD	G5	54	3450		c	6500	0,6,0,7	45,2	OSR, PHI
	T16	FD	G5	54	4450		w, i	2700, 3000, 4000	0,6,0,7	45,2	OSR, PHI, SYL, GE
	T16	FD	G5	54	4050, 4250		i, c	5000, 6000, 6500	0,6,0,7	45,2	OSR, PHI, SYL, GE
	T16	FD	G5	80	6150		w, i	2700, 3000, 4000	0,6,0,7	45,2	OSR, PHI, SYL, GE
	T16	FD	G5	80	5850		c	6000, 6500	0,6,0,7	45,2	PHI, SYL, GE
	T16-R	FCH	2GX13	22	1800		w, i	2700, 3000, 4000	0,6	$\emptyset = 8,9$	OSR, PHI
	T16-R	FCH	2GX13	22	1700		c	6000	0,6	$\emptyset = 8,9$	OSR
	T16-R	FCH	2GX13	40	3200, 3300		w, i	2700, 3000, 4000	0,6	$\emptyset = 11,8$	OSR, PHI
	T16-R	FCH	2GX13	40	3000		c	6000	0,6	$\emptyset = 11,8$	OSR
	T16-R	FCH	2GX13	55	4200, 4400		w, i	3000, 4000	0,6	$\emptyset = 11,8$	OSR, PHI
	T16-R	FCH	2GX13	55	3800		c	6000	0,6	$\emptyset = 11,8$	OSR
	T26	FD	G13	15	650		w	3000	1,0	17,2	OSR
	T26	FD	G13	15	680		c	6500	1,0	17,2	OSR
	T26	FD	G13	16	850		w	3000	1,0	28,3	OSR
	T26	FD	G13	18	900, 1000		w, i, c	3000, 3800, 4000, 5400	1,0,1,1	23,2	OSR, PHI, SYL, GE
	T26	FD	G13	18	1000, 870		c	6500	1,0,1,1	23,2	OSR, PHI
	T26	FD	G13	18	1350		w, i	2700, 3000, 3500, 4000	1,0,1,1	23,2	OSR, PHI, SYL, GE
	T26	FD	G13	18	1300		i, c	5000, 6000, 6300, 6500	1,0,1,1	23,2	OSR, PHI, SYL, GE
	T26	FD	G13	18	1100, 1150		i	4000	1,0,1,1	23,2	PHI, SYL, GE
	T26	FD	G13	18	1050, 950		c	6200	1,0,1,1	23,2	PHI, SYL, GE
	T26	FD	G13	18	1200, 1150		i	4100	1,0,1,1	23,2	PHI, SYL, GE
	T26	FD	G13	18	1150, 1200		w, i	2950, 3000, 3500, 4000	1,0,1,1	23,2	PHI, SYL, GE
	T26	FD	G13	30	1600		w	3000	1,0	35,2	OSR
	T26	FD	G13	30	1600		c	6500	1,0	35,2	OSR
	T26	FD	G13	30	2400, 2450		w, i	2700, 3000, 3400, 4000	1,0,1,1	35,2	OSR, PHI, SYL, GE
	T26	FD	G13	30	2350, 2300		c	6000, 6500	1,0,1,1	35,2	OSR, PHI, SYL, GE
	T26	FD	G13	30	1900		i	4000	1,1	35,2	PHI
	T26	FD	G13	30	1825		c	6200	1,0,1,1	35,2	
	T26	FD	G13	30	2100		i	4000, 4300	1,0,1,1	35,2	PHI, SYL
	T26	FD	G13	30	2300, 2200, 2350		w, i	2950, 3000, 3500, 4000	1,0,1,1	35,2	PHI, SYL, GE
	T26	FD	G13	36	3350		w, i	2700, 3000, 3500, 4000	1,0,1,1	47,2	OSR, PHI, SYL, GE
	T26	FD	G13	36	3250		i, c	5000, 6000, 6300, 6500	1,0,1,1	47,2	OSR, PHI, SYL, GE
	T26	FD	G13	36	2600, 2700		i	4000	1,0,1,1	47,2	PHI, SYL, GE
	T26	FD	G13	36	2500, 2350		c	6200, 6500	1,0,1,1	47,2	PHI, SYL, GE
	T26	FD	G13	36	2850		i	4000, 4100, 4300	1,0,1,1	47,2	PHI, SYL
	T26	FD	G13	36	3000, 2850		w, i	3000, 3500, 4000	1,0,1,1	47,2	PHI, SYL, GE
	T26	FD	G13	58	3500, 3850		w, i, c	3000, 3800, 5000, 5400	1,0,1,1	59,1	OSR, SYL, GE
	T26	FD	G13	58	3700		c	6500	1,0	59,1	OSR
	T26	FD	G13	58	5200		w, i	2700, 3000, 3500, 4000	1,0,1,1	59,1	OSR, PHI, SYL, GE
	T26	FD	G13	58	5000		i, c	5000, 6000, 6300, 6500	1,0,1,1	59,1	OSR, PHI, SYL, GE
	T26	FD	G13	58	4125, 4100, 4150		i	4000	1,0,1,1	59,1	PHI, SYL, GE
T26	FD	G13	58	4000, 3750		c	6200, 6500	1,0,1,1	59,1	PHI, SYL, GE	
T26	FD	G13	58	4600		i	4100, 43	1,0,1,1	59,1	PHI, SYL	
T26	FD	G13	58	4600		w, i	3000, 3500, 4000	1,0,1,1	59,1	PHI, SYL, GE	
Compact fluorescent lamps											
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux $\Phi$ /lm	Lighting intensity l/cd	Light colors	Color temperature T <sub>c</sub> /K	Width/in	Length/in	Manufacturer
	TC-S	FSD	G23	5	250		w, i	2700, 3000, 4000	1,1,1,1	3,3, 3,3	OSR, PHI, SYL, GE
	TC-S	FSD	G23	7	400		w, i	2700, 3000, 3500, 4000	1,1,1,1	4,5,4,4,4,5	OSR, PHI, SYL, GE
	TC-S	FSD	G23	7	375		c	6000	1,1	4,5	OSR
	TC-S	FSD	G23	9	600		w, i	2700, 3000, 3500, 4000	1,1,1,1	5,7,5,7	OSR, PHI, SYL, GE
	TC-S	FSD	G23	9	565		c	6000	1,1	5,7	OSR
	TC-S	FSD	G23	11	900		w, i	2700, 3000, 3500, 4000	1,1,1,1	8,4,8,5	OSR, PHI, SYL, GE
	TC-SEL	FSD	2G7	5	250		w, i	2700, 4000	1,1,1,1	3,3,3,3	OSR, PHI, SYL, GE
	TC-SEL	FSD	2G7	7	400		w, i	2700, 3000, 4000	1,1,1,1	4,5,4,4,4,5	OSR, PHI, SYL, GE
	TC-SEL	FSD	2G7	9	600		w, i	2700, 3000, 4000	1,1,1,1	5,7,5,7	OSR, PHI, SYL, GE
	TC-SEL	FSD	2G7	11	900		w, i	2700, 3000, 4000	1,1,1,1	8,4,8,5	OSR, PHI, SYL, GE
	TC-D	FSQ	G24d-1	10	600		w, i	2700, 3000, 3500, 4000	1,1,1,1	3,4,3,7	OSR, PHI, SYL, GE
	TC-D	FSQ	G24d-1	10	600		c	6500	1,1	3,7	GE
	TC-D	FSQ	G24d-1	13	900		w, i	2700, 3000, 3500, 4000	1,1,1,1	4,5,4,6	OSR, PHI, SYL, GE
	TC-D	FSQ	G24d-1	13	900		c	6500	1,1,1,1	4,5,4,6	PHI, GE
	TC-D	FSQ	G24d-2	18	1200		w, i	2700, 3000, 3500, 4000	1,1,1,1	5,1,5,1,5,9	OSR, PHI, SYL, GE
	TC-D	FSQ	G24d-2	18	1200		c	6500	1,1	5,1	PHI, GE
	TC-D	FSQ	G24d-3	26	1800		w, i	2700, 3000, 3500, 4000	1,1,1,1	5,9,5,9,6,7	OSR, PHI, SYL, GE
	TC-D	FSQ	G24d-3	26	1800		c	6500	1,1	5,9,6,7	PHI, GE

Compact fluorescent lamps												
Symbol	ZVEI	ILCOS	Socket	Power/W	Luminous flux Φ/lm	Lighting intensity I/cd	Light colors	Color temperature T <sub>K</sub>	Width/in	Length/in	Manufacturer	
	TC-DEL	FSQ	G24q-1	10	600		w, i	2700, 3000, 3500, 4000	1.1,1.1	3.4,3.7	OSR, PHI, SYL, GE	
	TC-DEL	FSQ	G24q-1	13	900		w, i	2700, 3000, 3500, 4000	1.1,1.1	4.5,4.6,5.1	OSR, PHI, SYL, GE	
	TC-DEL	FSQ	G24q-2	18	1200		w, i	2700, 3000, 3500, 4000	1.1,1.1	5.1,5.1,5.9	OSR, PHI, SYL, GE	
	TC-DEL	FSQ	G24q-3	26	1800		w, i	2700, 3000, 3500, 4000	1.1,1.1	5.9,5.9,6.7	OSR, PHI, SYL, GE	
	TZFCB		GX53	6	220		w	3000	3.0	1.0	SYL	
	TC-DDSE	FLE	GRZ10D	18	1150		w, i, c	2700, 3000, 3500, 4000	5.4	5.6	GE	
	TC-T	FSM	GX24d-1	13	900		w, i	2700, 3000, 3500, 4000	1.9	3.5	OSR, GE	
	TC-T	FSM	GX24d-1	13	900		c	6500		3.5	GE	
	TC-T	FSM	GX24d-2	18	1200		w, i	2700, 3000, 3500, 4000	1.9,1.6	3.9,4.0,4.1	OSR, PHI, SYL, GE	
	TC-T	FSM	GX24d-2	18	1200		c	6500		4.1	GE	
	TC-TI	FSM	GX24d-2	18	1200		w, i	2700, 3000, 4000	1.9	3.7	OSR	
	TC-T	FSM	GX24d-3	26	1800		w, i	2700, 3000, 3500, 4000	1.9,1.6	4.5,4.4,4.9	OSR, PHI, SYL, GE	
	TC-T	FSM	GX24d-3	26	1800		c	6500		4.9	GE	
	TC-TI	FSM	GX24d-3	26	1800		w, i	2700, 3000, 4000	1.9	4.3	OSR	
	TC-TEL	FSMH	GX24q-1	13	900		w, i	2700, 3000, 4000	1.9	3.5	OSR	
	TC-TELI	FSMH	GX24q-1	13	900		w, i	2700, 3000, 3500, 4000		3.5	GE	
	TC-TEL	FSMH	GX24q-2	18	1200		w, i	2700, 3000, 3500, 4000	1.9,1.6	3.9,4.0,4.3	OSR, PHI, SYL	
	TC-TELI	FSMH	GX24q-2	18	1200		w, i	2700, 3000, 3500, 4000	1.9	3.7,4.3	OSR, GE	
	TC-TEL	FSMH	GX24q-3	26	1800		w, i	2700, 3000, 3500, 4000	1.9,1.6	4.5,4.4,5.1	OSR, PHI, SYL	
	TC-TELI	FSMH	GX24q-3	26	1800		w, i	2700, 3000, 3500, 4000	1.9	4.3,5.1	OSR, GE	
	TC-TEL	FSMH	GX24q-3	32	2400		w, i	2700, 3000, 3500, 4000	1.9,1.6	5.2,5.0,5.7	OSR, PHI, SYL	
	TC-TELI	FSMH	GX24q-3	32	2400, 2200		w, i	2700, 3000, 3500, 4000	1.9	5.0,5.7	OSR, GE	
	TC-TEL	FSMH	GX24q-4	42	3200		w, i	2700, 3000, 3500, 4000	1.9,1.6	6.0,5.7	OSR, PHI	
	TC-TELI	FSMH	GX24q-4	42	3200		w, i	2700, 3000, 3500, 4000	1.9	5.8, 6.1	OSR, GE	
	TC-QELI	FSMH	GX24q-4	42	3200		w, i	2700, 3500, 4000		6.1	GE	
	TC-TELI	FSMH	GX24q-5	57	4300		w, i	2700, 3000, 4000	1.9	7.0	OSR	
	TC-QELI	FSMH	GX24q-5	57	4300		w, i, c	2700, 3000-4000, 5100	2.3	7.0	GE	
	TC-TELI	FSMH	GX24q-6	70	5200		w, i	3000, 4000	1.9	8.6	OSR	
	TC-QELI	FSMH	GX24q-6	70	5200		w, i, c	2700, 3000-4000, 5100	2.3	8.2	GE	
		TC-L	FSD	2G11	18	750		w, i, c	3000, 3800, 5400	1.5	8.5	OSR
TC-L		FSD	2G11	18	1200		w, i	2700, 3000, 3500, 4000	1.5	8.5,8.7,8.9	OSR, PHI, SYL, GE	
TC-L		FSD	2G11	18	1200		c	6500	1.5	8.7	PHI	
TC-L		FSD	2G11	24	1200		w, i, c	3000, 3800, 5400	1.5	12.5	OSR	
TC-L		FSD	2G11	24	1800		w, i	2700, 3000, 3500, 4000	1.5	12.5,12.4,12.6	OSR, PHI, SYL, GE	
TC-L		FSD	2G11	24	1800		c	6500	1.5	12.4	PHI	
TC-L		FSD	2G11	36	1900		w, i, c	3000, 3800, 5400	1.5	16.2	OSR	
TC-L		FSD	2G11	36	2900		w, i	2700, 3000, 3500, 4000	1.5	16.2,16.1,16.3	OSR, PHI, SYL, GE	
TC-L		FSD	2G11	36	2200		w	3000	1.5	16.1	PHI	
TC-L		FSD	2G11	36	2750, 2900		c	6000, 6500	1.5	16.2,16.1	OSR, PHI	
TC-L		FSD	2G11	36	2900		c	5300	1.5	16.1	PHI	
TC-L		FSD	2G11	40	2200		c	5400	1.5	21.0	OSR	
TC-L		FSD	2G11	40	3500		w, i	2700, 3000, 3500, 4000	1.5	21.0,21.1	OSR, PHI, SYL, GE	
TC-L		FSD	2G11	40	3325		c	6000	1.5	21.0	OSR	
TC-L		FSD	2G11	55	3000		w, i, c	3000, 3800, 5400	1.5	21.0	OSR	
TC-L		FSD	2G11	55	4800		w, i	2700, 3000, 3500, 4000	1.5	21.0,21.1	OSR, PHI, SYL, GE	
TC-L		FSD	2G11	55	4550, 3800		c	6000, 5300	1.5	21.0,21.1	OSR, PHI	
TC-L		FSD	2G11	55	3700		w	3000	1.5	21.1	PHI	
		TC-L	FSD	2G11	80	6000		w, i	2700, 3000, 3500, 4000	1.5	22.2	OSR, PHI
		TC-F	FSS	2G10	18	1100		w, i	2700, 3000, 4000	3.1	4.8	OSR, SYL
	TC-F	FSS	2G10	24	1700		w, i	2700, 3000, 4000	3.1	6.5	OSR, SYL	
	TC-F	FSS	2G10	36	2800		w, i	2700, 3000, 4000	3.1	8.5	OSR, SYL	
	TC-DSE	FBT	E14	5	240		w	2700	1.4	4.9	OSR	
	TC-DSE	FBT	E14	7	400		w	2700	1.8	5.4	OSR	
	TC-DSE	FBT	E27	5	240		w	2700	1.4	4.8	OSR	
	TC-DSE	FBT	E27	7	400		w	2700	1.8	5.2	OSR	
	TC-SE	FBT	E14	3	100		w	2700	1.2	4.5	OSR	
	TC-TSE	FBT	E14	11	630		w	2700	1.8	5.0	OSR	
	TC-TSE	FBT	E27	11	630		w	2700	1.8	4.6	OSR	
	TC-TSE	FBT	E27	15	900		w	2700	1.8	5.0	OSR	
	TC-TSE	FBT	E27	20	1200		w	2700	1.8	5.6	OSR	
	TC-TSE	FBT	E27	23	1500		w	2700	2.3	6.8	OSR	
	TC-TSE	FBT	E27	30	1900		w	2700	2.3	7.1	OSR	

Manufacturer: OSR=Osram, PHI=Philips, SYL=Sylvania, GE=General Electrics

Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages
<b>A</b>		<b>B 202</b>	584	<b>CAP 10...</b>	603	<b>CDA 5...</b>	385	<b>CDT DIM 55...</b>	366, 367
<b>A100...</b>	497	<b>B 205</b>	585	<b>CAP 20...</b>	599	<b>CDA DIM 4...</b>	385	<b>CDT DIM 6...</b>	369
<b>A150...</b>	497	<b>BEL10...</b>	672	<b>CAP 21...</b>	599	<b>CDA DIM 5...</b>	385	<b>CDTB...</b>	368
<b>A200...</b>	497	<b>BEL11...</b>	672	<b>CAP 22...</b>	599	<b>CDAE 4...</b>	385	<b>CDTE 4...</b>	368
<b>AL075</b>	699	<b>BEL12...</b>	672	<b>CAP 3...</b>	612, 613	<b>CDAE 5...</b>	385	<b>CDTE 44...</b>	364
<b>AL100</b>	699	<b>BEL33...</b>	675	<b>CAP 30...</b>	615	<b>CDE 30...</b>	346, 347, 370	<b>CDTE 45...</b>	366
<b>AL110</b>	699	<b>BEL 34...</b>	675	<b>CAP 31...</b>	615	<b>CDE 31...</b>	360, 361	<b>CDTE 5...</b>	368, 369
<b>AL150</b>	699	<b>BELED 140...</b>	674	<b>CAP 50...</b>	608	<b>CDE 32...</b>	354, 355	<b>CDTE54...</b>	364, 365
<b>AL160</b>	699	<b>BELED 220...</b>	674	<b>CAP 7...</b>	616	<b>CDE 4...</b>	372	<b>CDTE55...</b>	366, 367
<b>AL175</b>	699	<b>BGL10...</b>	681	<b>CAP 8...</b>	617	<b>CDE 40...</b>	346, 347, 370	<b>CDTE6...</b>	369
<b>AL200</b>	699	<b>BGL20...</b>	681	<b>CAP 9...</b>	610	<b>CDE 41...</b>	360, 361	<b>CDV1...</b>	342
<b>AL210</b>	699	<b>BT...</b>	391	<b>CAP 91...</b>	610	<b>CDE 42...</b>	354, 355	<b>CDV 2...</b>	342, 344
<b>AL220</b>	107	<b>BT CSA 400...</b>	130, 132	<b>CAPG 50</b>	616	<b>CDE 45...</b>	353	<b>CDV 3...</b>	344, 378
<b>AL230</b>	107	<b>BT CSA 500...</b>	134, 136	<b>CAPH 0...</b>	388	<b>CDE 5...</b>	372	<b>CDV 4...</b>	344
<b>AL250</b>	699	<b>BT CSA 650...</b>	138, 140-143	<b>CAPN...</b>	610-614	<b>CDE 50...</b>	347, 348, 370	<b>CDV DIM1...</b>	342
<b>AL260</b>	699	<b>BT CXE200</b>	573	<b>CAPS10</b>	616	<b>CDE 51...</b>	361	<b>CDV DIM 2...</b>	342-345
<b>AL600</b>	699	<b>BT PIA 200</b>	285, 286	<b>CD1...</b>	374, 379	<b>CDE 52...</b>	355, 356	<b>CDV DIM 3...</b>	344, 345
<b>AL700...</b>	680	<b>BT PIA 301</b>	282, 283	<b>CD 2...</b>	374, 379, 382	<b>CDE 55...</b>	353	<b>CDV DIM 4...</b>	344, 345
<b>AL705...</b>	680	<b>BT QP 3...</b>	273	<b>CD 3...</b>	376-378, 380	<b>CDE 6...</b>	348, 349, 373	<b>CDVE1...</b>	342
<b>AL710</b>	680	<b>BT QP 4...</b>	273	<b>CD 30...</b>	346, 347, 370	<b>CDF 30...</b>	350	<b>CDVE2...</b>	342-345
<b>AL7511...</b>	695	<b>BT SCT...</b>	235	<b>CD 31...</b>	360, 361	<b>CDF 32...</b>	358	<b>CDVE3...</b>	344, 345
<b>AL7604...</b>	695	<b>BT TRI 2...</b>	243	<b>CD 32...</b>	354, 355	<b>CDF 40...</b>	351	<b>CDVE4...</b>	344, 345
<b>AL7606</b>	695	<b>BT TRI 3...</b>	247, 251	<b>CD 4...</b>	372, 377	<b>CDF 42...</b>	359	<b>CDZ...</b>	338-341
<b>AL7606...</b>	695	<b>BT TRI 30...</b>	251	<b>CD 40...</b>	346, 347	<b>CDF DIM 30...</b>	350	<b>CDZ30...</b>	417
<b>AL7607</b>	695	<b>BT TRI 4...</b>	247	<b>CD 41...</b>	360, 361	<b>CDF DIM 32...</b>	358	<b>CO 100...</b>	468
<b>AL7624</b>	695	<b>BT TRI CSA 400...</b>	223	<b>CD 42...</b>	354, 355	<b>CDF DIM 40...</b>	351	<b>CO 101</b>	468
<b>AL7652...</b>	695	<b>BT TRI CSA 500...</b>	225, 227	<b>CD 45...</b>	353	<b>CDF DIM 42...</b>	359	<b>CO 102</b>	468
<b>AL7653...</b>	695	<b>BT TRI CSA 650...</b>	229	<b>CD 5...</b>	372	<b>CDFE 30...</b>	350	<b>CO 103</b>	468
<b>AL7655...</b>	695	<b>BTE...</b>	333	<b>CD 50...</b>	347	<b>CDFE 32...</b>	358	<b>CO 104</b>	468
<b>AL7656...</b>	695	<b>BTQ...</b>	408	<b>CD 52...</b>	355	<b>CDFE 40...</b>	351	<b>CO 120...</b>	468
<b>AL7657...</b>	695	<b>C</b>		<b>CD 55...</b>	353	<b>CDFE 42...</b>	359	<b>CO 130...</b>	468
<b>AL7658...</b>	695	<b>CA 2...</b>	416	<b>CD 6...</b>	349, 373	<b>CDFS 3...</b>	352	<b>CO 140...</b>	469
<b>AL7659</b>	695	<b>CA 50...</b>	421	<b>CD DIM 30...</b>	346, 347, 370	<b>CDFS DIM 3...</b>	352	<b>CO 141...</b>	469
<b>ASC10...</b>	622	<b>CA 51...</b>	423	<b>CD DIM 31...</b>	360, 361	<b>CDFSE3...</b>	352	<b>CO 142...</b>	469
<b>AWA0150</b>	679	<b>CA 60...</b>	423	<b>CD DIM 32...</b>	354, 355	<b>CDI 2...</b>	375	<b>CO 150...</b>	469
<b>AWA15003</b>	677	<b>CA 62...</b>	421	<b>CD DIM 4...</b>	372	<b>CDT 3...</b>	368	<b>CO 190...</b>	469
<b>AWA30003</b>	679	<b>CA 65...</b>	422	<b>CD DIM 40...</b>	346, 347, 370	<b>CDT 4...</b>	368	<b>CSA 1000</b>	156
<b>AWA7003</b>	677	<b>CA 66...</b>	422	<b>CD DIM 41...</b>	360, 361	<b>CDT 44...</b>	364	<b>CSA 350</b>	156, 158
<b>B</b>		<b>CAE2...</b>	416	<b>CD DIM 42...</b>	354, 355	<b>CDT 45...</b>	366	<b>CSA 351</b>	156
<b>B 100...</b>	498	<b>CAF3...</b>	417	<b>CD DIM 45...</b>	353	<b>CDT 5...</b>	368	<b>CSA 40...</b>	130, 132, 223
<b>B 111 E</b>	498	<b>CAF DIM 3...</b>	417	<b>CD DIM 5...</b>	372	<b>CDT 54...</b>	364	<b>CSA 42...</b>	130, 223
<b>B 112</b>	498	<b>CAF3...</b>	417	<b>CD DIM 50...</b>	347, 348, 370	<b>CDT 55...</b>	366	<b>CSA 45...</b>	133
<b>B 113</b>	498	<b>CAFT3...</b>	417	<b>CD DIM 51...</b>	361	<b>CDT 6...</b>	369	<b>CSA 46...</b>	132
<b>B 130</b>	498	<b>CAFT DIM3...</b>	417	<b>CD DIM 52...</b>	355, 356	<b>CDT DIM 3...</b>	368	<b>CSA 50...</b>	134, 225
<b>B 140</b>	498	<b>CAFTB...</b>	417	<b>CD DIM 55...</b>	353	<b>CDT DIM 4...</b>	368	<b>CSA 52...</b>	134, 225
<b>B 141</b>	498	<b>CAH3...</b>	418	<b>CD DIM 6...</b>	348, 349, 373	<b>CDT DIM 44...</b>	364	<b>CSA 60...</b>	134, 136, 227
<b>B 142</b>	498	<b>CAH DIM 3...</b>	418	<b>CDA 4...</b>	385, 386	<b>CDT DIM 45...</b>	366	<b>CSA 62...</b>	136, 227
<b>B 143</b>	498	<b>CAHE 3...</b>	418			<b>CDT DIM 5...</b>	368, 369		
<b>B 200</b>	584	<b>CAP0...</b>	611, 613			<b>CDT DIM 54...</b>	364, 365		
<b>B 201</b>	584	<b>CAP01...</b>	611, 614						

Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages
CSA 65...	138-143, 229	CVGE 320 DIM...	701	EC DIM52...	305, 323	ECTE40...	314	EM22460	205
CSA 700	157	CVGE 420 DIM...	701	EC DIM55...	309	ECTE44...	310	EM3660	205
CSA 710	157	CVGE 570	701	ECA 30...	329	ECTE45...	312	EM3660 E	205
CSA 720	157	CVGKE 1000...	701	ECA 40...	328, 330, 331	ECTE46...	318	EP10	499
CSA 730	157	CVGKE 1510...	700	ECA 50...	328	ECTE47...	319	ERP1	391
CSA 80...	146	CVGKE 360...	700	ECA DIM 40...	328	ECTE50...	314, 315	ERP1 E	333
CSA 85...	147	CVGKE 500...	701	ECA DIM 50...	328	ECTE54...	310, 311	ERP1 Q	408
CSA 90...	148	CVGKE 710...	700	ECAE40...	328	ECTE55...	312, 313	ERP145	156, 158
CSA 91...	149	CVGME 200...	700	ECAE50...	328	ECTE56...	318	ERP2	391
CSA 92...	231	CVGME 201	700	ECE 30...	298, 299, 320	ECTE57...	319	ERP2 Q	408
CSA TRI90...	231	CVGME 351	700	ECE 32...	304, 305, 322	ECV 10...	296	ERP220	157, 159
CSAF 40...	131	CVGSM 2500	700	ECE 40...	298, 299, 316, 320	ECV 12...	302	ERP3	391
CSAF 45...	133	CVLED 120	535	ECE 42...	304, 305, 322	ECV 30...	296	ERP3 E	333
CSAF 60...	137	CVLED 200	131, 137	ECE 45...	309	ECV 32...	302	ERP3 Q	408
CSAF 65...	139	CVLED 420	110, 112, 113	ECE 50...	299, 316, 321	ECV 40...	296	ERP4	391
CSALED 40...	131	CVLED 60	110, 112, 113	ECE 52...	305, 323	ECV 42...	302	ERP4 E	333
CSALED 60...	137	CX 200...	572	ECE 55...	309	ECV DIM 10...	296	ERP4 Q	408
CSAX1000	158	CX 201...	573	ECF 30...	300, 301	ECV DIM 12...	302	ERP5	391
CSAX350	158	CXE200...	573	ECF 32...	306, 307	ECV DIM 30...	296, 297	ERP5 E	333
CSAX351	158	CXE202...	573	ECF 40...	300, 301	ECV DIM 32...	302, 303	ERP6	391
CSAX352	158	CXL10...	575	ECF 42...	306, 307	ECV DIM 40...	296, 297	EU10	692
CSAX700	159	CXL20...	575	ECF DIM 30...	300, 301	ECV DIM 42...	302, 303	EU122	696
CSAX710	159	<b>D</b>		ECF DIM 32...	306, 307	ECVE10...	296	EU123	696
CSAX720	159	DEC 1000	657	ECF DIM 40...	300, 301	ECVE12...	302	EU125	696
CSAX730	159	DEC 2000	658	ECF DIM 42...	306, 307	ECVE30...	296, 297	EU126	696
CSD 5000	215	DEC 3000	658	ECFE 30...	300, 301	ECVE32...	302, 303	EU127	696
CSD 5001	215	DEC 4000	656	ECFE 40...	300, 301	ECVE40...	296, 297	EU129	696
CSD 5010	215	<b>E</b>		ECFE 42...	306, 307	ECVE42...	302, 303	EU130	696
CSD 5011	215	EC10...	324, 327	ECI 30...	326	ECZ...	292-295	EU131	696
CSD 5020	215	EC30...	298, 299, 320, 324, 325, 327	ECLED40...	332	EH10002	93	EU20	692
CSD 5021	215	EC32...	304, 305, 322	ECT 40...	314	EH10003	93	EU21	692
CSD 5031	215	EC40...	298, 299, 316, 320	ECT 44...	310	EH15002	93	EU22	692
CSN 1000	156	EC42...	304, 305, 322	ECT 45...	312	EH15003	93	EU23	692
CSN 1010	156	EC45...	309	ECT 50...	314	EH5002	93	EU24	692
CSN 1020	156	EC50...	299, 316	ECT 54...	310	EH5003	93	EU25	692
CSN 5000	210	EC52...	305	ECT 55...	312	EH7002	93	EU26	692
CSNX1000	158	EC55...	309	ECT DIM 40...	314	EH7003	93	EU27	692
CSNX1010	158	EC DIM 30...	298, 299, 320	ECT DIM 44...	310	EKA5001	210	EU28	692
CSNX1020	158	EC DIM 32...	304, 305, 322	ECT DIM 45...	312	EKA5004	210	EU29	692
CSO1020	157	EC DIM 40...	298, 299, 316, 320	ECT DIM 46...	318	EKA5006	210	EU30	692
CSOX1020	159	EC DIM 42...	304, 305, 322	ECT DIM 47...	319	EKD1...	383	EU31	692
CVG 1000	701	EC DIM 45...	309	ECT DIM 50...	314, 315	EKS5001	211	EU33	692
CVG 1000 HIE	700	EC DIM 50...	299, 316	ECT DIM 54...	310, 311	EKS5004	211	EU35	692, 694
CVG 1500	700	EC DIM 52...	304, 305, 322	ECT DIM 55...	312, 313	EKS5006	211	EU36	692
CVG 2500	700	EC DIM 55...	309	ECT DIM 56...	318	EKS5011	211	EU37	692
CVG 300	701	EC DIM 57...	299, 316, 321	ECT DIM 57...	319	EKS5014	211	EU60	101, 692
CVG 350	700					EKS5016	211	EU78	692
CVG 500	701					EKS5051	213	EU79	692
CVG 700	700					EKS5054	213	EU80	692
CVGE260 DIM...	701					EKS5056	213	EUB20	694
CVGE320	701					EKS5057	213	EUB21	694

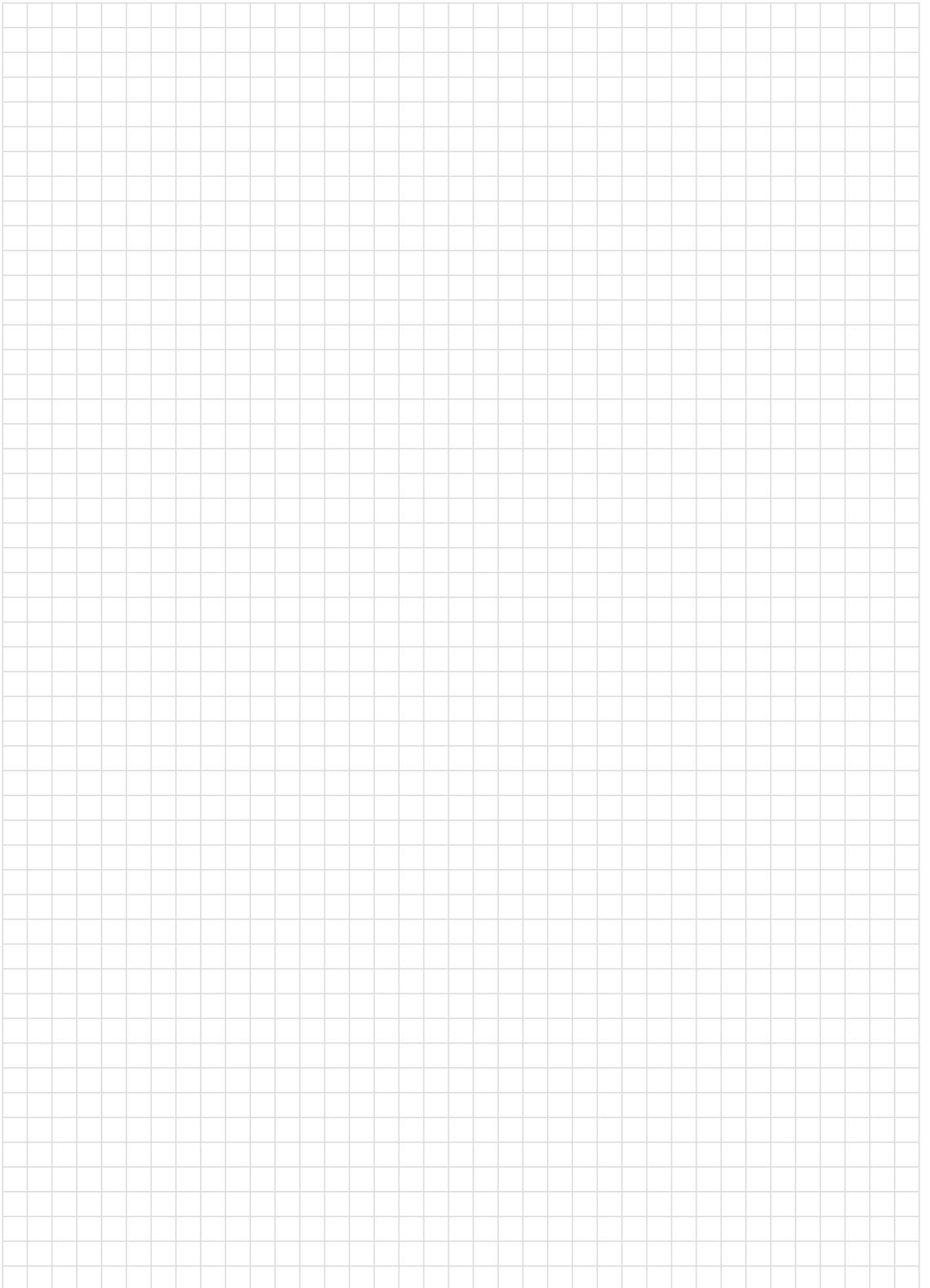
Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages
EUB22	694	IMO 20...	628	LA40 R	117	LK005 BT...	441, 443, 445, 461	LKM 091...	437-447
EUB24	694	IMO 2550...	582	LA40 S	117	LK005...	441, 443, 445	LKM 120...	554
EUB25	694	IMO 455 AG	624-626	LA41 S	117	LK006 BT...	441, 443, 445, 461	LKRGB001 ED...	458
EUB26	694	IMO 455 AK	624-626	LA42 S	117	LK010...	450	LKRGB1000 M	458
EUB27	694	IMO 455 AP	624-626	LA50	117, 531	LK020...	452	LKRGB1000 S	458
EUB29	694	IMO 4550	624	LAB60	101, 693	LK031...	459	LKRGB200	458
EUB30	694	IMO 4550 DIM	624	LAB60A	101, 692	LK032...	459	LKRGB400	458
EUB31	694	IMO 4550 SENSO	624	LAD100	504	LK041...	459	LKT X50...	459
EUB78	694	IMO 4551	625	LAD100DIM	504	LK042...	459	LKV...	58
EUB79	694	IMO 4551 DIM	625	LE 10...	534	LK043...	459	LKX001 AG...	446
EUB81	694	IMO 4551 SENSO	625	LE 12...	534	LK090 AG...	437-447	LKX020...	456
EUE 20	693	IMO 45520	626	LE 50...	534, 535	LK090 PA...	437-447	LKX090...	447, 462, 555
EUE 21	693	IMO 45520 DIM	626	LE 51...	534, 535	LK090...	437-447, 450, 462, 555-558	LKX091 AG...	447
EUE 22	693	IMO 45520 SENSO	626	LEA230 L	504	LK091...	437-447,	LKX120...	555
EUE 24	693	IMO 4553	625	LEA230 R	504	LK120...	554	LLV100	504
EUE 25	693	IMO 4553 DIM	625	LED100...	495	LK121...	554	LLW121...	504
EUE 26	693	IMO 4553 DIM	625	LED110...	495	LK130...	556	LLW139...	504
EUE 27	693	IMO 4553 SENSO	625	LED200...	495	LKA120...	558	LOA10002	86
EUE 29	693	<b>K</b>		LED210...	495	LKA121...	558	LOA10003	86
EUE 30	693	KE 100...	587	LED300...	495	LKA001 AG...	446	LOA10022	86
EUE 31	693	KE 102...	587	LED310...	495	LKC001...	446	LOA10023	86
EUE 35	393, 694	KE 200...	653	LED400...	495	LKC002 AG...	437	LOA5002	86
EUE 40	693	<b>L</b>		LED410...	495	LKC002...	437	LOA5003	86
EUE 41	693	L10	101	LED500...	495	LKC003 AG...	439	LOA5022	86
EUE 42	693	L15	101	LED510...	495	LKC003 TRI...	439	LOA5023	86
EUE 78	693	L16	101	LED600...	495	LKC003...	439	LOW21301	657
EUE 79	693	L17	101	LED610...	495	LKC005 BT...	441-445	LOW21302	657
EUEB20	694	L17...	101	LED700...	495	LKC005...	441-445	LOW21304	657
EUEB21	694	L19	692	LED710...	495	LKC010...	454	LOW21305	657
EUEB22	694	L2	101	LED720...	495	LKC020...	456	LP 1001	217
EUEB24	694	L2 KL	117, 531	LED730...	495	LKC090 AG...	437-447	LP 1004	217
EUEB25	694	L21	101	LED740...	495	LKC090...	437-447, 454, 462, 555, 557	LP AE12602	87
EUEB26	694	L23...	692	LIM1...	677	LKC091...	437-447	LP AE12603	87
<b>F</b>		L30 E	499	LIN101...	641	LKC120...	555	LP FE13602	87
FLA 3000	123	L30...	101	LIN102...	641	LKC130...	556	LP FE13603	87
FLA 30002	96	L31 E	499	LIPA102	563	LKIP 090...	560	LSA15002	85
FLA 30003	96	L43	499	LIPA121...	564	LKIP 54...	461, 560	LSA15003	85
FLA 3030	123	L44	499	LIPA152	563	LKM 001 AG...	446	LSA7002	85
FLS1...	99	L45	499	LIPA203	563	LKM 002 AG...	437	LSA7003	85
<b>H</b>		L63	568	LIPA203...	565	LKM 003 AG...	439	LSC3502	85
HERO11...	209	L64	568	LIPA204...	565	LKM 003 TRI...	439	LSC3503	85
HERO21...	209	L68...	537	LK001 AG...	446	LKM 005 BT...	441-445	LSC7002	85
HERO31...	527	L69	537	LK001 PA...	446	LKM 005...	441-445	LSC7003	85
HERO33...	527	L69 DIM	537	LK001...	446	LKM 020...	448	LSN5002	86
HERO40...	206	L71...	540	LK002 AG...	437	LKM 090 AG...	437-447	LSN7502	86
HERO41...	207	LA 30 ED	117	LK002 PA...	437	LKM 090...	437-447, 462, 555	LV 10	499
HERO42...	207	LA 30 M10	101, 695	LK002...	437	LKM 090...	437-447, 462, 555	LWK 230	504
<b>I</b>		LA 30 M13	101, 695	LK003 AG...	439	<b>M</b>		MA 221...	78
IMO 1551...	647	LA 40 B	117	LK003 PA...	439	MA 231...	78	MA 231...	78
IMO 1552...	647	LA 40 BA	117	LK003 TRI...	439				
		LA 40 D	117	LK003...	439				

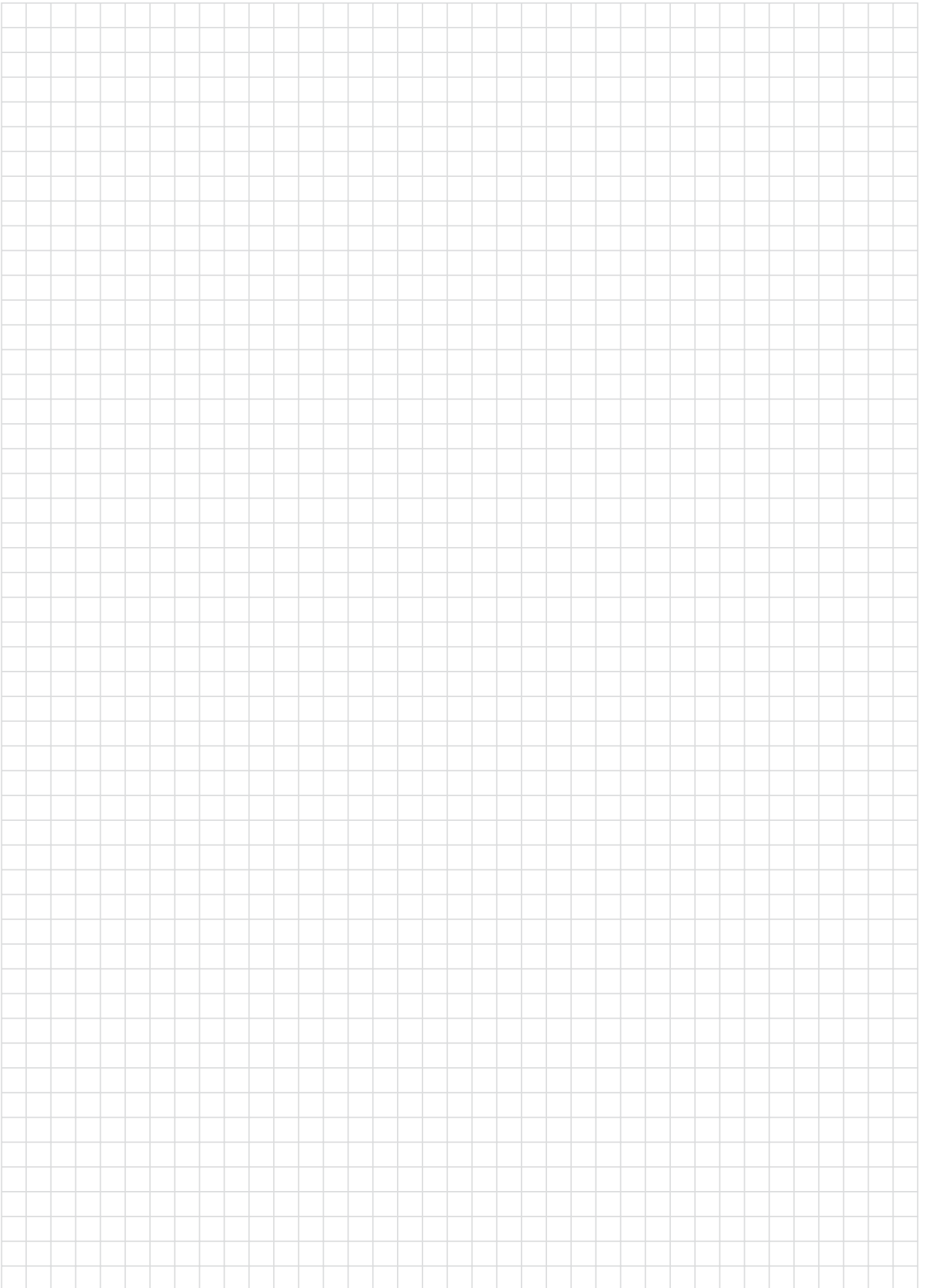
Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages
MA241...	77	MON4360 AO	630	NAA5021	125	NEL5126	216	NIM5106	115
MA242...	77	MON4550	630	NAA5023	125	NEP5401	113	NKP5051	115
MA532...	634	MON4550 AK	630	NAA5040...	124	NEP5402	113	NKP5052	115
MAE221...	71	MON4550 AO	630	NAA5041	124	NEP5405	113	NKP5055	115
MAE222...	71	MON4550 DIM	630	NAA5043	124	NEP5406	113	NKP5056	115
MAE231...	74	MON4550 ECO	631	NAA5047	124	NEP5407	113	NO50 B	710
MAE232...	75	MON4550 ECO...	630	NAA5241	113	NEP5408	113	NO50 E	710
MAE700...	122	MON4550 SENSO	630	NAA5242	113	NEP5431	113	NO50 Z	710
MEPIA200	285, 286	MON4550...	630	NAA5246	113	NEP5432	113	NPL3011	530
MEHE231...	76	MP1	391	NAA5247	113	NEP5435	113	NPL3012	530
MEHE331...	76	MP1 E	333	NAA5248	113	NEP5436	113	NPL3013	530
MIL10...	568	MP1 Q	408	NAA7000	125	NEP5437	113	NPL3015	530
MIL11...	568	MP100	210	NAALED 010302...	113	NEP5438	113	NPL3016	530
MIL20...	569	MP145	156, 158	NAALED 010322...	113	NEP90	113	NPL3017	530
MIL30...	643	MP2	391	NAP5001	115	NEP91	113	NPL3031	530
MIL31...	643	MP2 Q	408	NAP5002	115	NEP92	113	NPL3032	530
MIL40...	570	MP220	157, 159	NAP5005	115	NEP93	113	NPL3033	530
MIL41...	570	MP3	391	NAP5006	115	NFP5001	112	NPL3035	530
MIL50...	571	MP3 E	333	NEL1001	217	NFP5002	112	NPL3036	530
MIL610...	566	MP3 Q	408	NEL1004	217	NFP5003	112	NPL3037	530
MIL612...	566	MP4	391	NEL1006	217	NFP5005	112	NPL3401	530
MIL622...	566	MP4 E	333	NEL1101	217	NFP5006	112	NPL3402	530
MIL630...	567	MP4 Q	408	NEL1104	217	NFP5007	112	NPL3403	530
MIL632...	567	MP5	391	NEL1106	217	NFP5008	112	NPL3405	530
MIL642...	567	MP5 E	333	NEL1111	217	NFP5031	112	NPL3406	530
MOD10...	546	MP6	391	NEL1114	217	NFP5032	112	NPL3407	530
MON2360 ECO	645	MX107...	32	NEL1116	217	NFP5033	112	NPL3411	530
MON2360 ECO AK	645	MX220...	33	NEL1121	217	NFP5035	112	NPL3412	530
MON2360 ECO AO	645	MX270...	33	NEL1124	217	NFP5036	112	NPL3413	530
MON2360...	579	MX300...	34, 35	NEL1126	217	NFP5037	112	NPL3415	530
MON2361	644	MX320...	34	NEL5001	216	NFP5038	112	NPL3416	530
MON2361 AK	644	MX322...	35	NEL5004	216	NFP5201	112	NPL3417	530
MON2361 AO	644	MX330...	34	NEL5006	216	NFP5202	112	NPL3421	530
MON2361 DIM...	644	MX332...	35	NEL5011	216	NFP5203	112	NPL3422	530
MON2550 ECO	645	MX360...	34	NEL5014	216	NFP5205	112	NPL3423	530
MON2550 ECO AK	645	MX362...	35	NEL5016	216	NFP5206	112	NPL3425	530
MON2550 ECO AO	645	MX510...	39	NEL5021	216	NFP5207	112	NPL3426	530
MON2550 ECO DIM...	645	MX530...	36	NEL5024	216	NFP5208	112	NPL3427	530
MON2550...	580	MX560...	37	NEL5026	216	NFP5231	112	NPL3501	531
MON2551	644	<b>N</b>		NEL5031	216	NFP5232	112	NPL3502	531
MON2551 AK	644	N...	504	NEL5034	216	NFP5233	112	NPL3503	531
MON2551 AO	644	NAA5000...	124	NEL5036	216	NFP5235	112	NPL3505	531
MON2551 DIM...	644	NAA5001	124	NEL5101	216	NFP5236	112	NPL3506	531
MON2580...	579	NAA5003	124	NEL5104	216	NFP5237	112	NPL3507	531
MON4255 ECO	631	NAA5007	124	NEL5106	216	NFP5238	112	NPL3521	531
MON4360	630	NAA5010...	124	NEL5111	216	NFPLED 010302...	112	NPL3522	531
MON4360 AK	630	NAA5011	124	NEL5114	216	NFPLED 010322...	112	NPL3523	531
		NAA5013	124	NEL5116	216	NIM5101	115	NPL3525	531
		NAA5017	124	NEL5121	216	NIM5102	115	NPL3526	531
		NAA5020...	125	NEL5124	216	NIM5105	115	NPL3527	531
								NPL3551	531

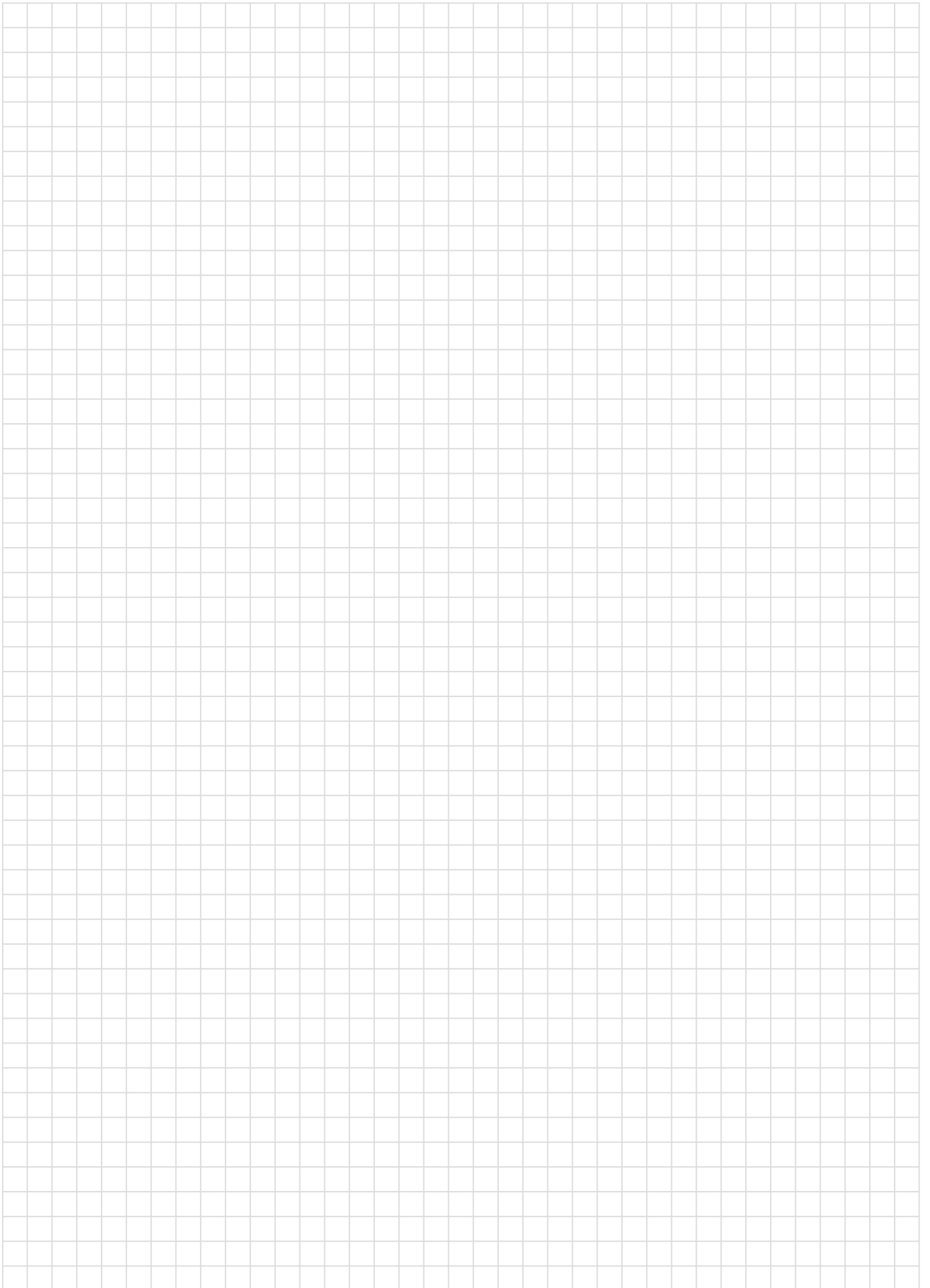
Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages	Order No.	Pages
NPL3552	531	NSP5301	111	PL 25...	541	QCDF 40...	400	ROC522...	513
NPL3553	531	NSP5302	111	PLED10...	535	QCDF DIM30...	400	ROC530...	514
NPL3555	531	NSP5303	111	PLED11...	535	QCDF DIM40...	400	ROC532...	515
NPL3556	531	NSP5305	111	POOX100...	523	QCDFE 30...	400	ROC540...	514
NPL3557	531	NSP5306	111	POOX101...	523	QCDFE 40...	400	ROC542...	515
NRP 5001	114	NSP5307	111	POOX103...	523	QCDDT 4...	404	ROL10...	28
NRP 5002	114	NSP5308	111	POOX104...	523	QCDDT 44...	402	ROL20...	29
NRP 5005	114	NSP5331	111	POOX110...	523	QCDDT 45...	403	ROL50...	151
NRP 5006	114	NSP5332	111	POOX111...	523	QCDDT DIM 4...	404	ROL60...	152
NRP 5007	114	NSP5333	111	POOX113...	523	QCDDT DIM44...	402	ROL70...	153
NRP 5008	114	NSP5335	111	POOX114...	523	QCDDT DIM45...	403	ROL80...	528
NRP 5031	114	NSP5336	111	POOX200...	525	QCDE 4...	404	ROM10...	551, 659
NRP 5032	114	NSP5337	111	POOX500...	520	QCDE 44...	402	ROM1181	659
NRP 5035	114	NSP5338	111	POOX510...	520	QCDE 45...	403	ROM12...	550
NRP 5036	114	NSP5401	111	PP2...	283, 703	QCDDV 1...	396	<b>S</b>	
NRP 5037	114	NSP5402	111	PP230...	703	QCDDV 2...	396	SAW20...	655
NRP 5038	114	NSP5403	111	PP3...	703	QCDDV 3...	397	SAW200	648
NRP 5201	114	NSP5405	111	PP300	703	QCDDV 4...	397	SAW21...	655
NRP 5206	114	NSP5406	111	PP400	703	QCDDV DIM3...	397	SAW500	648
NRP 5208	114	NSP5407	111	PPE1...	703	QCDDV DIM4...	397	SC1...	596
NRP 5231	114	NSP5408	111	PPE2...	703	QCDDVE1...	396	SC102...	593
NRP 5236	114	NSP5431	111	PPE210...	703	QCDDVE2...	396, 397	SC104...	593
NRP 5238	114	NSP5432	111	PPE3...	703	QCDDVE3...	397	SC2...	596
NSP5001	110	NSP5433	111	PPE4...	703	QCDDVE4...	397	SC3...	596
NSP5002	110	NSP5435	111	PRS1001	619	QP30...	266	SC4...	595
NSP5003	110	NSP5436	111	PRS2001	619	QP32...	267	SC6...	597
NSP5005	110	NSP5437	111	PRS2002	619	QP34...	268	SC704...	635
NSP5006	110	NSP5438	111	PRS2003	619	QP35...	269	SC 706...	635
NSP5007	110	NSPLED	110	PT10...	686, 688	QP40...	266, 270	SCA104...	476
NSP5008	110	010302...		PT11...	686, 688	QP42...	267	SCA105...	476
NSP5031	110	NSPLED	110	PT20...	686, 689	QP44...	268	SCA106...	477
NSP5032	110	010322...		PX910...	82	QP45...	269	SCA107...	477
NSP5033	110	<b>P</b>		PX940...	607	QPA40...	270	SCA108...	478, 549
NSP5035	110	PIA 100...	660	PX950...	606	QPVF30...	271	SCA110...	549
NSP5036	110	PIA 110...	660	PXE910...	82	QPZ30...	272	SCA112...	478
NSP5037	110	PIA 200...	285	PXE915...	121	QPZ40...	272	SCA404...	666
NSP5038	110	PIA 210...	285	PXE916...	121	<b>R</b>		SCA405...	666
NSP5201	111	PIA 220...	286	PXE917...	121	R 136	497, 498	SCA6...	478
NSP5202	111	PIA 225...	286	PXE920...	82	R 36	105, 497, 498, 584, 585	SCA900...	480
NSP5203	111	PIA 301...	283	<b>Q</b>		R 55	105, 498	SCA910...	480
NSP5205	111	PIA 302...	283	QCDD2...	406	RAG2...	677	SCA920	481
NSP5206	111	PIA 304...	283	QCDD30...	398, 399	RIX1500...	543	SCA920...	481
NSP5207	111	PIA 321...	282	QCDD4...	405	RIX620...	543	SCA930	481
NSP5207	111	PIA 322...	282	QCDD40...	398, 399	ROC310...	510	SCA930...	481
NSP5208	111	PIA 324...	282	QCDD DIM30...	398, 399	ROC311...	510	SCA940	481
NSP5231	111	PIA 351...	429	QCDD DIM4...	405	ROC320...	511	SCA950	481
NSP5232	111	PIA 371...	429	QCDD DIM40...	398, 399	ROC321...	511	SCA960	481
NSP5233	111	PIA 402...	284	QCDE30...	398, 399	ROC510...	512	SCA970	481
NSP5235	111	PIA 601...	429	QCDE4...	405	ROC512...	513	SCA990...	478-481, 549
NSP5236	111	PIA 621...	429	QCDE40...	398, 399	ROC520...	512	SCE201...	274, 275
NSP5237	111	PL 20...	537	QCDF 30...	400				
NSP5238	111	PL 22...	540						

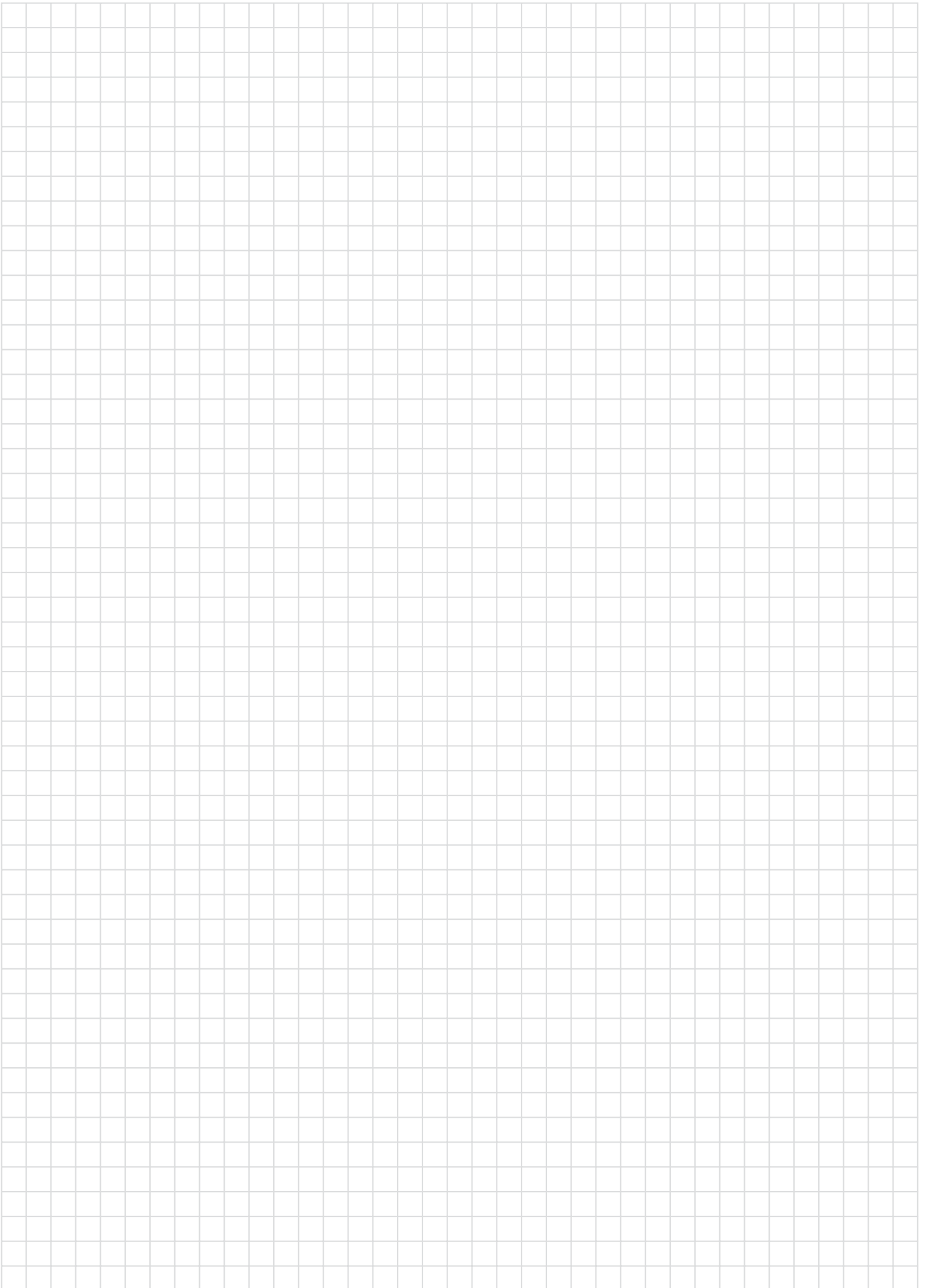


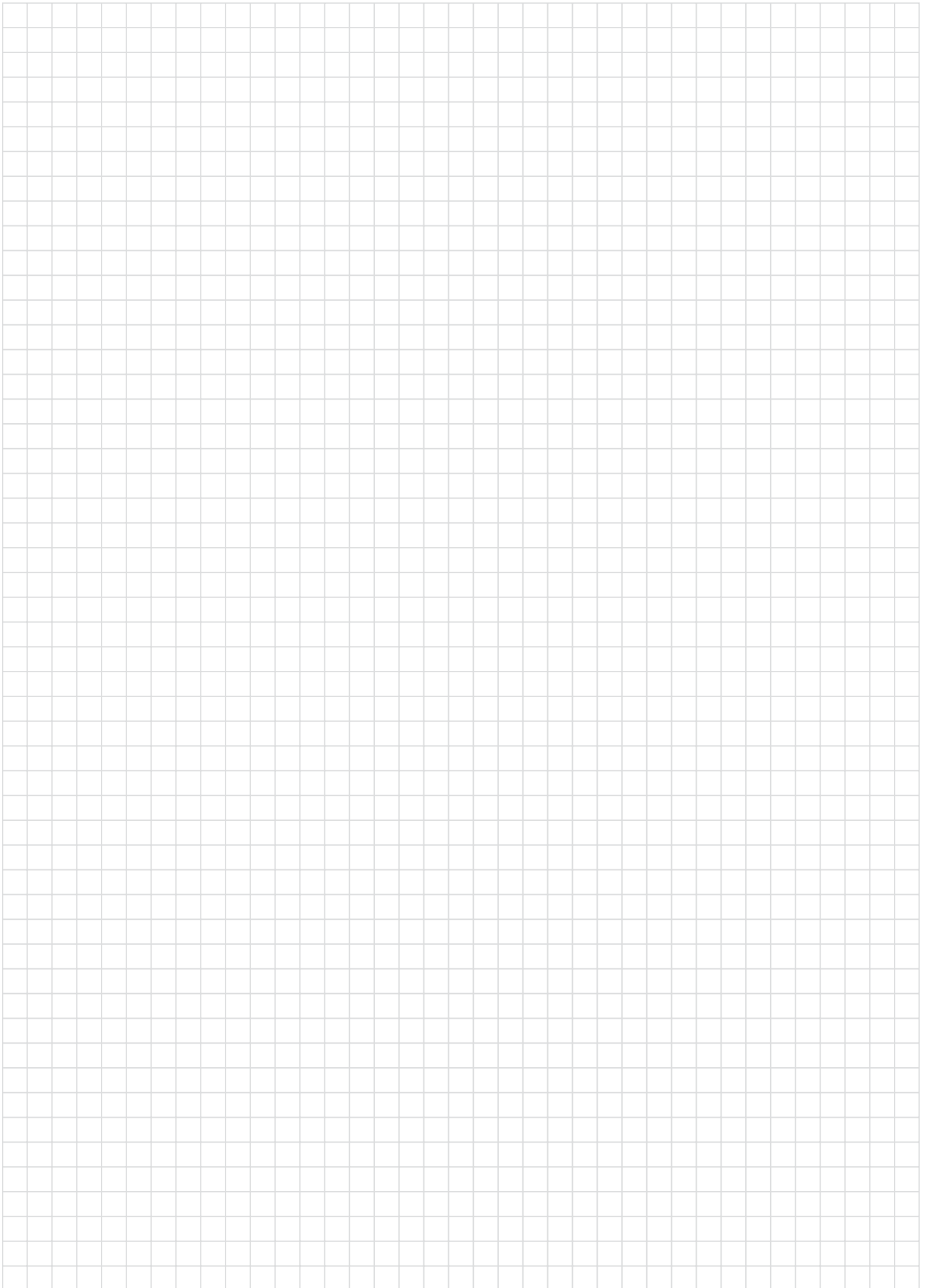
Order No.	Pages	Order No.	Pages	Order No.	Pages
TRE150	704	VFC3050	200	ZBMH...	541
TRE200	704	VFC3650 DIM...	204	ZVP...	408
TRE210...	703	VFC3650 E	204	ZWA12	679
TRE70	704	VFC7000	201		
TRF1...	105	VFC7050	200		
TRF10...	105	VFC7060	201		
TRF2...	103	VFCP10...	197		
TRF20...	104	VFCP1000	197		
TRI 2...	242	VFCP1500	197		
TRI 20...	253	VFCP320	197		
TRI 21...	252	VFCP420	197		
TRI 3...	244, 246, 248, 250	VFCP570	197		
TRI 4...	246	VFCP700	197		
TRI BT2...	243	VFCT7000	201		
TRI BT3...	247, 251	VFCT7050	200		
TRI BT30...	251	VFCT7060	201		
TRI BT4...	247,	VFCW3650	205		
TRI CSA400	223	VFCW3650 E	205		
TRI CSA500...	225, 227	VFCW5550	205		
TRI CSA650	229	VFCX10050	202		
TRI DIM3...	246, 250	VFCX7050	202		
TRI DIM 4...	246	VISI...	409		
TRI ER13	238				
TRIE3...	246, 250	<b>W</b>			
TRIE 4...	246	WAEK10...	650		
TRK200 1A	705	WAEK20...	651		
TRK200 4A	705	WEL 170...	665		
TRK300 1A	705	WEL171...	665		
TRK300 6A	705	WEL245...	665		
TRR100...	260	WEL246...	665		
TRR2...	257	WV100	499		
TRR3...	258, 259	WV110	499		
TRR DIM3...	258, 259	WV120	499		
TU10...	544	<b>X</b>			
TU11...	544	XP100...	425		
TWIN 1...	632	XP150...	425		
TWIN 2...	645	XP200...	428		
TX50...	42	XP210...	426		
TX52...	43	XP220...	426		
<b>V</b>		XP230...	426		
VFC 10050	200	XP300...	428		
VFC 10051	200	XP310...	427		
VFC 13650 DIM...	204	XP320...	427		
VFC 13650 E	204	XP330...	427		
VFC 15000	201	XP500...	431		
VFC 15050	200	XP510...	431		
VFC 15060	201	XP550...	431		
VFC 2650	204	XP555...	431		
VFC 2650 DIM...	204	XP560...	431		
VFC 2650 E	204	<b>Z</b>			
		ZB155...	103		

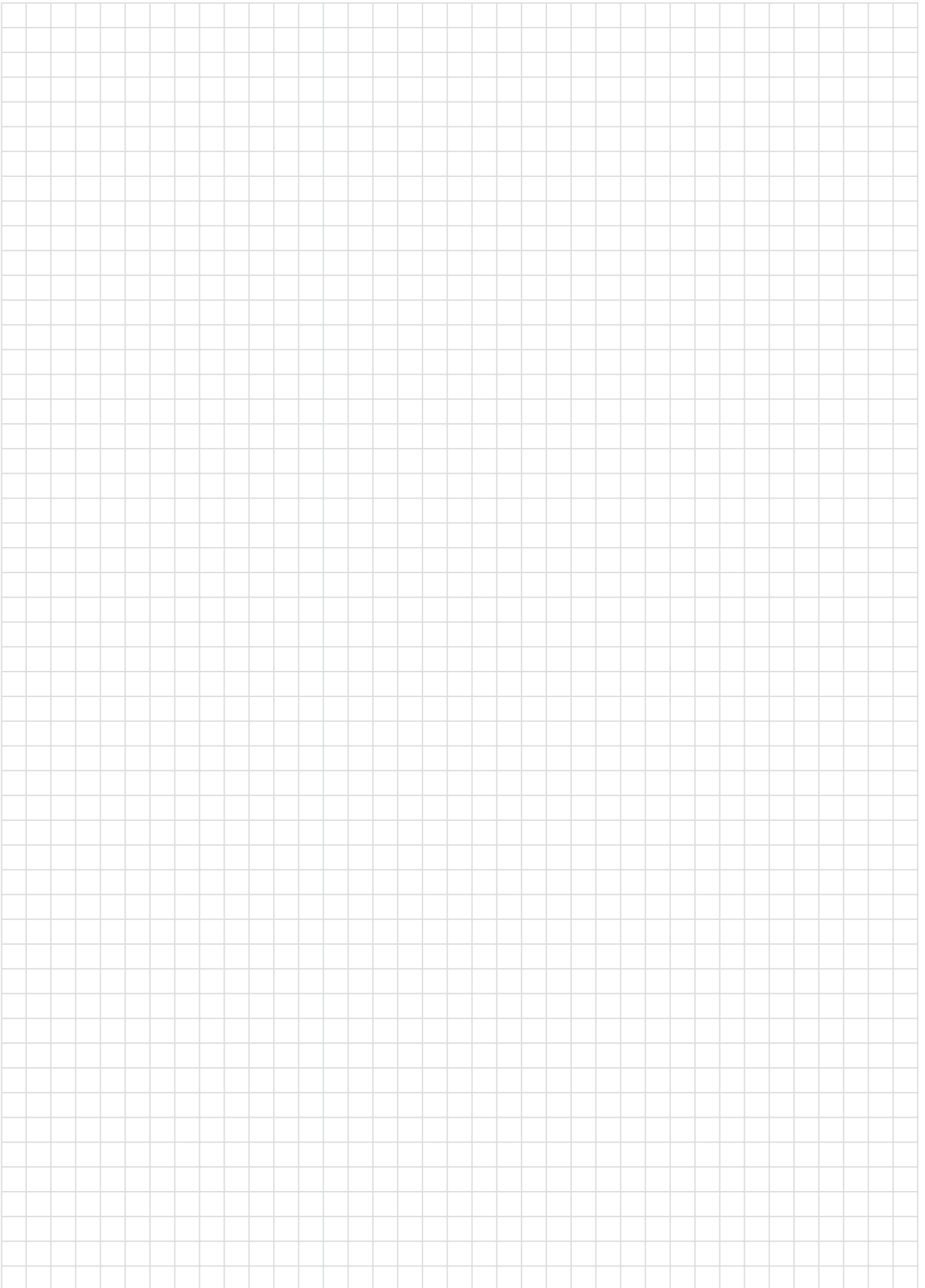


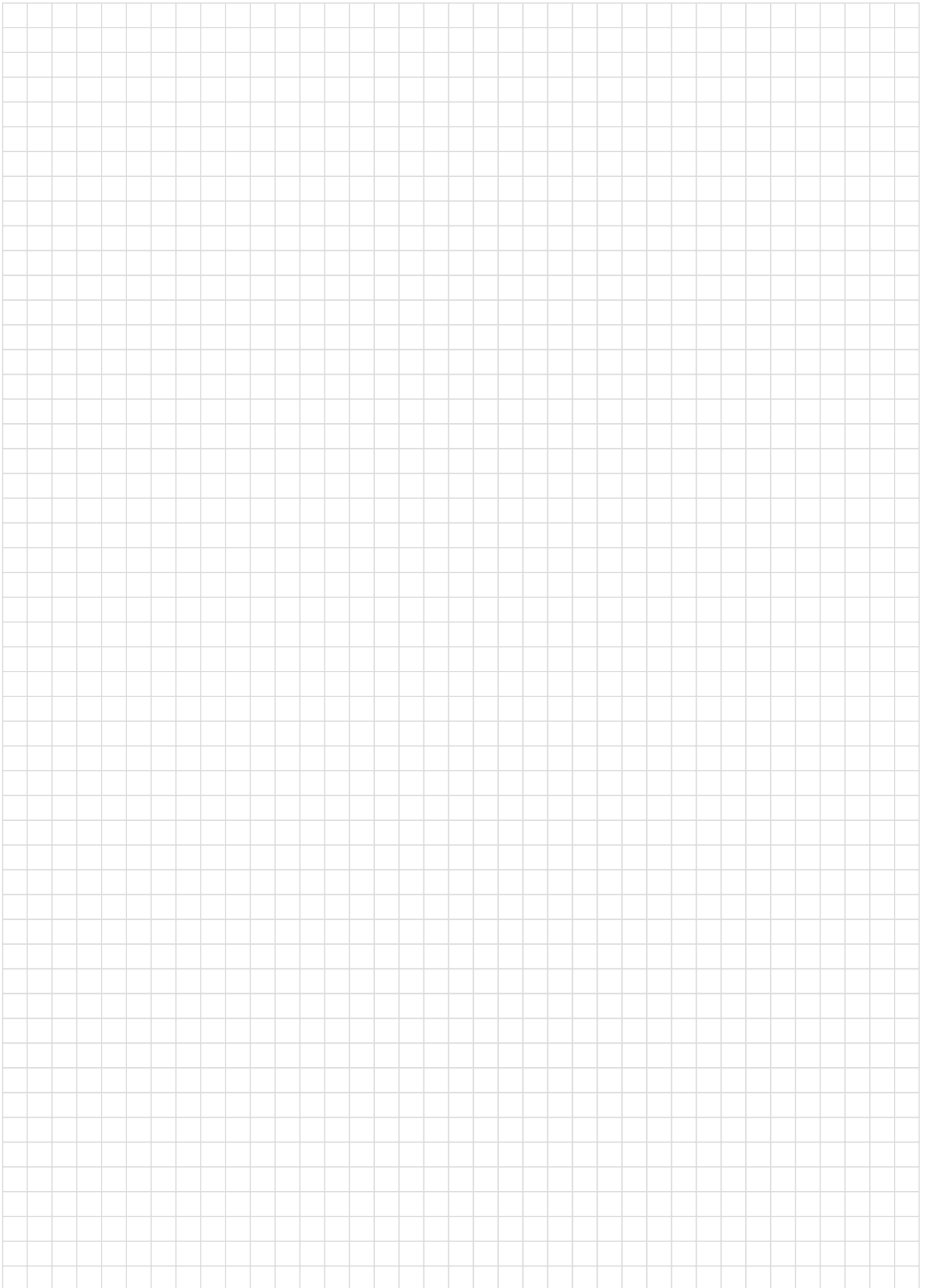












First edition,  
SOLAVANTI LIGHTING PERFORMANCE<sup>10</sup>

Concept and Design

Technical data is subject to  
change. Errors and omissions  
excepted. Color deviations are  
subject to printing.  
Alterations which provide for  
technical progress are reserved.







# Legend



cut-out in mm



beam angle



transformer



power supply unit



approved safety



All luminaires comply with the rules according to EN 605898-1 and are suitable for the installation on or in normally inflammable installation surfaces (parts of buildings)



The CE-symbol confirms the conformity with the relevant EU guidelines. All luminaires comply with these guidelines.



with VDE test conformity



Limits according to DIN VDE 0710 T14 on the installation surface and the adjacent areas during abnormal operation < 266°F, for failures in the control gear < 358°F.



Limits according to DIN VDE 0710 T14 on the installation surface and the adjacent areas during normal operation < 203°F, abnormal operation < 239°F, for failures in the control gear < 239°F.



protection class I



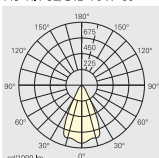
protection class II



protection class III

The reflector class contains the photometric data polar diagramme, number of luminaires in the room, efficiency and cone diagram. The reflector class always refers to the first luminaire resp. light head or luminaire head.

143 HIT-CE/G12 70 W 60°



Luminous flux		1 x 6600 lm		
En [лк]	500	750		
height [ft.]	9.8	16.4	9.8	16.4
ground area [ft.²]	164	230	29.5	32.1
	328	46.0	52.5	36.1
	492	65.6	72.2	101.7
	656	88.6	91.8	131.2
	820	108.2	114.8	164
				173.8

η	66.4 %
η <sub>up</sub>	0.0 %
η <sub>down</sub>	66.4 %
glare rating	
reflectance	0.7/0.5/0.2
X=2H Y=2H	
UGR C0/180	<20.9
UGR C90/270	<20.9

h [ft.]	E [лк]	D [ft.]
3.3	5501	3.3
6.6	1375	6.6
9.8	611	9.8
13.1	344	13.1
16.4	220	16.4



capsule safety transformer according to EN 61558



electronic control gear (ECG)



Visual Display Terminal



digital adressable lighting interface



dimmable electronic control gear



wallwasher/asymmetrical light distribution



emergency lighting



specific food lighting



insect free



color temperature



diameter/inner diameter/luminaire square



diameter/inner diameter/luminaire round



outer diameter



dimensions



recessed depth



ceiling thickness



light source



reflector class/ photometric data polar diagramme



electronic control gear



low-loss control gear



conventional control gear



# solavanti lighting



SOLAVANTI LIGHTING, LLC

Dallas, Texas

Tel.: 1.866.356.4458

Fax: 1.866.516.1924

[www.solavantilighting.com](http://www.solavantilighting.com)