Test Report issued under the responsibility of:

DEKRA

TEST REPORT
IEC TR 62778
Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires

Report Number. .....:	6054376.50P
Date of issue.....:	2019-06-05
Total number of pages	61
Name of Testing Laboratory preparing the Report.....:	DEKRA Testing and Certification (Shanghai) Ltd. 3/F, #250, Jiangchangsan Road building 16 Headquater Economy Park Shibei Hi-Tech Park, Zhabei District, Shanghai, P.R.C 200436
Applicant's name.....:	Benchmark Smart Lighting Co.,Ltd
Address .....:	No.81 Chunlan Road, Xiangcheng District, JiangSu, PRC
Test specification:	
Standard .....:	IEC TR 62778:2014 (Second Edition)
Test procedure .....:	Type Test
Non-standard test method .....:	N/A
Test Report Form No. .....:	IEC62778A
Test Report Form(s) Originator ....:	TÜV SÜD Product Service GmbH
Master TRF .....:	Dated 2016-02

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Test item description.....	LED fixed luminaire
Trade Mark.....	BENCHMARK
Manufacturer.....	Benchmark Smart Lighting Co.,Ltd No.81 Chunlan Road, Xiangcheng District, JiangSu, PRC
Model/Type reference.....	BM-PL-XXXXX series; BM-TPL-XXXXX series; BM-FPL-XXXXX series; BM-BPL-XXXXX series. (for details see model list)
Ratings.....	220-240 Vac; 50/60 Hz; max. 80W; class II; IP20 (for details see model list)

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

☒	**CB Testing Laboratory:**	DEKRA Testing and Certification (Shanghai) Ltd.	
Testing location/ address.....		3/F, #250, Jiangchangsan Road building 16 Headquater Economy Park Shibei Hi-Tech Park, Zhabei District, Shanghai, P.R.C 200436	
☐	~~Associated CB Testing Laboratory:~~		
~~Testing location/ address.....~~			
Tested by (name, function, signature).....		Yuting Peng	Yuting Peng
Approved by (name, function, signature).....		Hanson Zhang	hanson
☐	~~Testing procedure: CTF Stage 1:~~		
~~Testing location/ address.....~~			
~~Tested by (name, function, signature)...~~			
~~Approved by (name, function, signature).....~~			
☐	~~Testing procedure: CTF Stage 2:~~		
~~Testing location/ address.....~~			
~~Tested by (name + signature).....~~			
~~Witnessed by (name, function, signature).....~~			
~~Approved by (name, function, signature).....~~			

☐	~~Testing procedure: CTF Stage 3:~~		
☐	~~Testing procedure: CTF Stage 4:~~		
~~Testing location/ address .....~~			
~~Tested by (name, function, signature) ...~~			
~~Witnessed by (name, function, signature) .....~~			
~~Approved by (name, function, signature) .....~~			
~~Supervised by (name, function, signature) .....~~			

List of Attachments (including a total number of pages in each attachment):

- Appendix 1: Photo Documentation
- Appendix 2: Model List
- Appendix 3: Relative Spectrum Of Tested Sample(s)
- Appendix 4: Table 6.1 Based On IEC 62471:2006
- Appendix 5: Table 6.1 Based On EN62471:2008, Attachment To IEC 62471 European Group Differences And National Differences

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
These tests fulfil the requirements of standard ISO/IEC 17025. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The tested sample of BM-TPL24040 BM-FPL72060 Have been tested according to the IEC/TR 62778:2014 and been classified as **RG 0 Unlimited for blue light hazard**. BM-FPL71040 Has been tested according to the IEC/TR 62778:2014 and been classified as **RG 1 Unlimited for blue light hazard**.	DEKRA Testing and Certification (Shanghai) Ltd. 3/F, #250, Jiangchangsan Road building 16 Headquater Economy Park Shibei Hi-Tech Park, Zhabei District, Shanghai, P.R.C 200436

Summary of compliance with National Differences (List of countries addressed): EN Standards

EN 62471:2008

☒ **The product fulfills the requirements**

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

N/A

Test item particulars .....:	See below
Product evaluated .....:	☐ **LED package** ☐ **LED module** ☐ **Lamp** ☒ **Luminaire**
Rated voltage (V).....:	220-240 Vac
Rated current (mA).....:	--
Rated CCT (K) .....:	--
Rated Luminance (Mcd/m^2).....:	--
Component report data used .....:	☒ **Not applicable** ☐ **LED package** ☐ **LED module** ☐ **Lamp** Report number: --
Possible test case verdicts:	
- test case does not apply to the test object..... :	N/A
- test object does meet the requirement..... :	P (Pass)
- test object does not meet the requirement..... :	F (Fail)
Testing ..... :	--
Date of receipt of test item..... :	2019-05-25
Date (s) of performance of tests ..... :	2019-05-25 to 2019-06-05

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

The product complied with the following standards:

☒IEC 62471:2006
☒EN 62471:2008
☐IEC/TR 62471-2:2009
☒IEC/TR 62778:2014

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	☐ **Yes** ☒**Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)..... : Benchmark Smart Lighting Co.,Ltd
No.81 Chunlan Road, Xiangcheng District, JiangSu, PRC

General product information:

Full tests were performed on model BM-TPL24040, BM-FPL72060, BM-FPL71040.

The products considered as worst case which should be evaluated at 200mm.

The sample of BM-TPL24040 was tested at 200mm from the light source. CCT of spectral irradiance was found at 5999 K.
The sample of BM-FPL72060 was tested at 200mm from the light source. CCT of spectral irradiance was found at 6708 K.
The sample of BM-FPL71040 was tested at 200mm from the light source. CCT of spectral irradiance was found at 6711 K.

Amendment 1 report:

The original report 6037888.50P, dated 2018-08-14 was modified to include the following changes / additions, which was considered as technical modifications:

- Add several new luminaire appearances, and model list is updated.

After review,

Full tests were performed on model BM-FPL72060, BM-FPL71040.

Base on the Model list which listed on the appendix 2, The tested sample can be considered as
☐ typical product ☒ worst product
Which the results can be reference used for the other models.

Type test was performed according to IEC 62471:2006 procedure.

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

7	**MEASUREMENT INFORMATION FLOW**		**P**
7.1	**Basic flow**		**P**
	'Law of conservation of luminance' applied		N/A
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		N/A
	In case E_{thr} value for RG2 was established the peak value was derived from angular light distribution		N/A
7.2	**Conditions for the radiance measurement**		**P**
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N/A
7.3	**Special cases (I): Replacement by a lamp or LED module of another type**		**N/A**
	Light source is a white light source		N/A
	Evaluation done based on highest luminance		N/A
	Evaluation done based on CCT value		N/A
7.4	**Special cases (II): Arrays and clusters of primary light sources**		**N/A**
	LED package is evaluated as .....:	☐RG0 unlimited ☐ RG1 unlimited	N/A
	E_{thr} of LED package applies to array		N/A
8	**RISK GROUP CLASSIFICATION**		**P**
	Risk group achieved:		P
	-...Risk Group 0 unlimited	BM-TPL24040 BM-FPL72060	P
	-...Risk Group 1 unlimited	BM-FPL71040	P
	- E_{thr}..... (lx) : Distance to reach RG1..... (m) :		N/A

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE:Spectroradiometric measurement		
	Measurement performed on:	☐ **LED package** ☐ **LED module** ☐ **Lamp** ☒ **Luminaire**	
	Model number	BM-TPL24040	
	Test voltage (V)	230 Vac	—
	Test current (mA)	--	—
	Test frequency (Hz)	50 Hz	—
	Ambient, t(°C).....	25**°C**	—
	Measurement distance.....	☒ 20 cm ☐ ... cm	—
	Source size	☒ Non-small ☐ Small :	—
	Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)	—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	5999	
x/y colour coordinates			0,3209 /0,3489	
Blue light hazard radiance	L_B	$W/(m^2 \cdot sr^1)$	3,64E+00	@11mrad
Blue light hazard irradiance	E_B	W/m^2	--	
Luminance	L	cd/m^2	4,48E+03	@11mrad
Illuminance	E	lx	3,49E+03	
Supplementary information: N/A				

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE:Spectroradiometric measurement		
	Measurement performed on:	☐ **LED package** ☐ **LED module** ☐ **Lamp** ☒ **Luminaire**	
	Model number	BM-FPL72060	
	Test voltage (V)	230 Vac	—
	Test current (mA)	--	—
	Test frequency (Hz)	50 Hz	—
	Ambient, t(°C).....	25**°C**	—
	Measurement distance.....	☒ 20 cm ☐ ... cm	—
	Source size	☒ Non-small ☐ Small :	—
	Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)	—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	6708	
x/y colour coordinates			0,3092/0,3277	
Blue light hazard radiance	L_B	$W/(m^2 \cdot sr^1)$	1,79E+01	@11mrad
Blue light hazard irradiance	E_B	W/m^2	--	
Luminance	L	cd/m^2	2,05E+04	@11mrad
Illuminance	E	lx	1,12E+04	

Supplementary information:
N/A

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE:Spectroradiometric measurement		
	Measurement performed on:	☐ **LED package** ☐ **LED module** ☐ **Lamp** ☒ **Luminaire**	
	Model number	BM-FPL71040	
	Test voltage (V)	230 Vac	—
	Test current (mA)	--	—
	Test frequency (Hz)	50 Hz	—
	Ambient, t(°C).....	25**°C**	—
	Measurement distance.....	☒ 20 cm ☐ ... cm	—
	Source size	☒ Non-small ☐ Small :	—
	Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)	—

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	6711	
x/y colour coordinates			0,3087/0,3307	
Blue light hazard radiance	L_B	$W/(m^2 \cdot sr^1)$	1,46E+02	@11mrad
Blue light hazard irradiance	E_B	W/m^2	--	
Luminance	L	cd/m^2	1,75E+05	@11mrad
Illuminance	E	lx	6,29E+03	

Supplementary information:
N/A

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Angular light distribution	**N/A**

List of test equipment used:

A completed list of used test equipment shall be provided in the Test Reports when a Manufacturer Testing Laboratory according to CTF stage 1 or CTF stage 2 procedure has been used.
Note: This page may be removed when CTF stage 1 CTF stage 2 are not used. See also clause 4.8 in OD 2020 for more details.

Clause	Measurement / testing	Testing / measuring equipment / material used, (Equipment ID)	Range used	Last Calibration date	Calibration due date
7	Irradiance measurements Radiance measurements	IDR 300 Monochromator (SH 344)	200-3000nm	/	/
7	Radiance measurements	S009 Telescope (SH 345)	300-1400nm	/	/
7	Radiance measurements	SRS 12 Radiance Standard (SH 348)	300-1400nm	2019/2/27	2020/2/26
7	Irradiance measurements	CL6 Spectral irradiance standard (SH 350)	300-3000nm	2019/2/27	2020/2/26
7	Irradiance measurements	CL7 Spectral irradiance standard (SH 351)	200-400nm	2019/2/27	2020/2/26
7	Irradiance measurements	Photometric detector head (SH 359)	380nm-800nm	2019/2/26	2020/2/25
7	Irradiance measurements Radiance measurements	Wattmeter (SH030)	500V,40A	2018/10/09	2019/10/09

Appendix 1: Photo Documentation

BM-TPL24040

BM-FPL72060

BM-FPL71040
Overview

Appendix 2: Model List

Model name	Max. power (W)	LED Driver	Dimension (mm)	Product picture
BM-PL05012	12	TGPC-IH25-42-B1-0300	Ø170	
BM-PL06012	12	TGPC-IH25-42-B1-0300	Ø180	
BM-PL07015	15	TGPC-IH25-42-B1-0350	Ø200	
BM-PL08018	18	TGPC-IH25-42-B1-0450	Ø225	
BM-PL08020	20	TGPC-IH25-42-B1-0500	Ø225	
BM-PL09020	20	TGPC-IH25-42-B1-0500	Ø240	
BM-PL09022	22	TGPC-IH25-42-B1-0550	Ø240	
BM-PL10024	24	TGPC-IH25-42-B1-0550	Ø300	
BM-PL10026	26	TGPC-IH25-42-B1-0600	Ø300	
BM-PL10028	28	TGPC-IH25-42-B1-0700	Ø300	
BM-PL10030	30	TGPC-IH25-42-B1-0750	Ø300	
BM-PL03005	5	BK-BEL030-0100	Ø85	
BM-PL03006	6	BK-BEL030-0150	Ø120	
BM-PL04009	9	BK-BEL030-0200	Ø145	
BM-PL04009	9	BK-BEL030-0200	Ø150	
BM-PL04010	10	BK-BEL030-0250	Ø150	
BM-PL05012	12	BK-BEL030-0300	Ø170	
BM-PL05012	12	BK-BEL030-0300	Ø175	
BM-PL06012	12	BK-BEL030-0300	Ø180	
BM-PL07015	15	BK-BEL030-0350	Ø200	
BM-PL08018	18	BK-BEL030-0450	Ø225	
BM-PL08020	20	BK-BEL030-0500	Ø225	
BM-PL09020	20	BK-BEL030-0500	Ø240	
BM-PL09022	22	BK-BEL030-0550	Ø240	
BM-PL10024	24	BK-BEL030-0600	Ø300	
BM-PL10026	26	BK-BEL030-0650	Ø300	
BM-PL10028	28	BK-BEL030-0700	Ø300	
BM-PL10030	30	BK-BEL030-0750	Ø300	
BM-PL03005	5	BK-PLL016-0100	Ø85	

BM-PL03006	6	BK-PLL016-0150	Ø120	
BM-PL04009	9	BK-PLL016-0200	Ø145	
BM-PL04009	9	BK-PLL016-0200	Ø150	
BM-PL04010	10	BK-PLL016-0250	Ø150	
BM-PL05012	12	BK-PLL016-0300	Ø170	
BM-PL05012	12	BK-PLL016-0300	Ø175	
BM-PL06012	12	BK-PLL016-0300	Ø180	
BM-PL07015	15	BK-PLL016-0350	Ø200	
BM-PL08018	18	BK-PLL022-0450	Ø225	
BM-PL08020	20	BK-PLL022-0500	Ø225	
BM-PL09020	20	BK-PLL022-0500	Ø240	
BM-PL09022	22	BK-PLL022-0550	Ø240	
BM-PL10024	24	BK-PLL022-0600	Ø300	
BM-PL10026	26	BK-PLL022-0650	Ø300	
BM-PL10028	28	BK-PLL022-0700	Ø300	
BM-PL10030	30	BK-PLL022-0750	Ø300	
BM-PL03005	5	BK-PUL010A-0250Ad	Ø85	
BM-PL03006	6	BK-PUL010A-0250Ad	Ø120	
BM-PL04009	9	BK-PUL010A-0250Ad	Ø145	
BM-PL04009	9	BK-PUL010A-0250Ad	Ø150	
BM-PL04010	10	BK-PUL010A-0250Ad	Ø150	
BM-PL05012	12	BK-PUL018A-0450Ad	Ø170	
BM-PL05012	12	BK-PUL018A-0450Ad	Ø175	
BM-PL06012	12	BK-PUL018A-0450Ad	Ø180	
BM-PL07015	15	BK-PUL018A-0450Ad	Ø200	
BM-PL08018	18	BK-PUL018A-0450Ad	Ø225	
BM-PL08020	20	BK-PUL018A-0450Ad	Ø225	
BM-PL09020	20	BK-PUL018A-0450Ad	Ø240	
BM-PL09022	22	BK-PUL030A-0700Ad	Ø240	
BM-PL10024	24	BK-PUL030A-0700Ad	Ø300	
BM-PL10026	26	BK-PUL030A-0700Ad	Ø300	
BM-PL10028	28	BK-PUL030A-0700Ad	Ø300	
BM-PL10030	30	BK-PUL042A-1100Ad	Ø300	
BM-PL03005	5	DL-7W300-LEF	Ø85	
BM-PL03006	6	DL-7W300-LEF	Ø120	
BM-PL04009	9	DL-12W300-LEF	Ø145	
BM-PL04009	9	DL-12W300-LEF	Ø150	

BM-PL04010	10	DL-12W300-LEF	Ø150	
BM-PL05012	12	DL-12W300-LEF	Ø170	
BM-PL05012	12	DL-12W300-LEF	Ø175	
BM-PL06012	12	DL-12W300-LEF	Ø180	
BM-PL07015	15	DL-20W450-LEF	Ø200	
BM-PL08018	18	DL-20W450-LEF	Ø225	
BM-PL08020	20	DL-20W450-LEF	Ø225	
BM-PL09020	20	DL-20W450-LEF	Ø240	
BM-PL09022	22	DL-20W550-LEF	Ø240	
BM-PL10024	24	DL-20W600-LEF	Ø300	
BM-PL10026	26	DL-30W600-LEF	Ø300	
BM-PL10028	28	DL-30W700-LEF	Ø300	
BM-PL10030	30	DL-40W750-LEF	Ø300	
BM-PL03005	5	LD005BC010W89ADA002	Ø85	
BM-PL03006	6	LD007BC015W89ADA002	Ø120	
BM-PL04009	9	LD009BC020W89ADA002	Ø145	
BM-PL04009	9	LD009BC020W89ADA002	Ø150	
BM-PL04010	10	LD011BC025W89ADA002	Ø150	
BM-PL05012	12	LD013BC030W89ADA002	Ø170	
BM-PL05012	12	LD013BC030W89ADA002	Ø175	
BM-PL06012	12	LD013BC030W89ADA002	Ø180	
BM-PL07015	15	LD015BC035W89ADA002	Ø200	
BM-PL08018	18	LD019BC045W89ADA002	Ø225	
BM-PL08020	20	LD021BC050W89ADA002	Ø225	
BM-PL09020	20	LD021BC050W89ADA002	Ø240	
BM-PL09022	22	LD023BC055W89ADA002	Ø240	
BM-PL10024	24	LD025BC060W89ADA002	Ø300	
BM-PL10026	26	LD025BC065W89ADA002	Ø300	
BM-PL10028	28	LD030BC070W89ADA002	Ø300	
BM-PL10030	30	LD030BC075W89ADA002	Ø300	
BM-PL09020	20	LC 21/500/42 fixC SR ADV2	Ø240	
BM-PL10024	24	LC 25/600/42 fixC SR ADV2	Ø300	
BM-PL10030	30	LC 30/700/42 fixC SR ADV2	Ø300	

BM-PL15012	12	TGPC-IH25-42-B1-0300	170x170	
BM-PL16012	12	TGPC-IH25-42-B1-0300	180x180	
BM-PL17015	15	TGPC-IH25-42-B1-0350	200x200	
BM-PL18018	18	TGPC-IH25-42-B1-0450	225x225	
BM-PL18020	20	TGPC-IH25-42-B1-0500	225x225	
BM-PL19020	20	TGPC-IH25-42-B1-0500	240x240	
BM-PL20024	24	TGPC-IH25-42-B1-0550	300x300	
BM-PL20026	26	TGPC-IH25-42-B1-0600	300x300	
BM-PL20028	28	TGPC-IH25-42-B1-0700	300x300	
BM-PL20030	30	TGPC-IH25-42-B1-0750	300x300	
BM-PL13005	5	BK-BEL030-0100	85x85	
BM-PL13006	6	BK-BEL030-0150	120x120	
BM-PL14009	9	BK-BEL030-0200	145x145	
BM-PL14009	9	BK-BEL030-0200	150x150	
BM-PL14010	10	BK-BEL030-0250	150x150	
BM-PL15012	12	BK-BEL030-0300	170x170	
BM-PL15012	12	BK-BEL030-0300	175x175	
BM-PL16012	12	BK-BEL030-0300	180x180	
BM-PL17015	15	BK-BEL030-0350	200x200	
BM-PL18018	18	BK-BEL030-0450	225x225	
BM-PL18020	20	BK-BEL030-0500	225x225	
BM-PL19020	20	BK-BEL030-0500	240x240	
BM-PL20024	24	BK-BEL030-0600	300x300	
BM-PL20026	26	BK-BEL030-0650	300x300	
BM-PL20028	28	BK-BEL030-0700	300x300	
BM-PL20030	30	BK-BEL030-0750	300x300	
BM-PL13005	5	BK-PLL016-0100	85x85	
BM-PL13006	6	BK-PLL016-0150	120x120	
BM-PL14009	9	BK-PLL016-0200	145x145	
BM-PL14009	9	BK-PLL016-0200	150x150	
BM-PL14010	10	BK-PLL016-0250	150x150	
BM-PL15012	12	BK-PLL016-0300	170x170	
BM-PL15012	12	BK-PLL016-0300	175x175	
BM-PL16012	12	BK-PLL016-0300	180x180	
BM-PL17015	15	BK-PLL016-0350	200x200	
BM-PL18018	18	BK-PLL022-0450	225x225	
BM-PL18020	20	BK-PLL022-0500	225x225	
BM-PL19020	20	BK-PLL022-0500	240x240	
BM-PL20024	24	BK-PLL022-0600	300x300	
BM-PL20026	26	BK-PLL040-0650	300x300	
BM-PL20028	28	BK-PLL040-0700	300x300	
BM-PL20030	30	BK-PLL040-0750	300x300	

BM-PL13005	5	BK-PUL010A-0250Ad	85x85	
BM-PL13006	6	BK-PUL010A-0250Ad	120x120	
BM-PL14009	9	BK-PUL010A-0250Ad	145x145	
BM-PL14009	9	BK-PUL010A-0250Ad	150x150	
BM-PL14010	10	BK-PUL010A-0250Ad	150x150	
BM-PL15012	12	BK-PUL018A-0450Ad	170x170	
BM-PL15012	12	BK-PUL018A-0450Ad	175x175	
BM-PL16012	12	BK-PUL018A-0450Ad	180x180	
BM-PL17015	15	BK-PUL018A-0450Ad	200x200	
BM-PL18018	18	BK-PUL018A-0450Ad	225x225	
BM-PL18020	20	BK-PUL018A-0450Ad	225x225	
BM-PL19020	20	BK-PUL018A-0450Ad	240x240	
BM-PL20024	24	BK-PUL030A-0700Ad	300x300	
BM-PL20026	26	BK-PUL030A-0700Ad	300x300	
BM-PL20028	28	BK-PUL030A-0700Ad	300x300	
BM-PL20030	30	BK-PUL042A-1100Ad	300x300	
BM-PL13005	5	DL-7W300-LEF	85x85	
BM-PL13006	6	DL-7W300-LEF	120x120	
BM-PL14009	9	DL-12W300-LEF	145x145	
BM-PL14009	9	DL-12W300-LEF	150x150	
BM-PL14010	10	DL-12W300-LEF	150x150	
BM-PL15012	12	DL-12W300-LEF	170x170	
BM-PL15012	12	DL-12W300-LEF	175x175	
BM-PL16012	12	DL-12W300-LEF	180x180	
BM-PL17015	15	DL-20W450-LEF	200x200	
BM-PL18018	18	DL-20W450-LEF	225x225	
BM-PL18020	20	DL-20W450-LEF	225x225	
BM-PL19020	20	DL-20W450-LEF	240x240	
BM-PL20024	24	DL-20W600-LEF	300x300	
BM-PL20026	26	DL-30W600-LEF	300x300	
BM-PL20028	28	DL-30W700-LEF	300x300	
BM-PL20030	30	DL-40W750-LEF	300x300	
BM-PL13005	5	LD005BC010W89ADA002	85x85	
BM-PL13006	6	LD007BC015W89ADA002	120x120	
BM-PL14009	9	LD009BC020W89ADA002	145x145	
BM-PL14009	9	LD009BC020W89ADA002	150x150	
BM-PL14010	10	LD011BC025W89ADA002	150x150	
BM-PL15012	12	LD013BC030W89ADA002	170x170	
BM-PL15012	12	LD013BC030W89ADA002	175x175	
BM-PL16012	12	LD013BC030W89ADA002	180x180	
BM-PL17015	15	LD015BC035W89ADA002	200x200	
BM-PL18018	18	LD019BC045W89ADA002	225x225	

BM-PL18020	20	LD021BC050W89ADA002	225x225	
BM-PL19020	20	LD021BC050W89ADA002	240x240	
BM-PL20024	24	LD025BC060W89ADA002	300x300	
BM-PL20026	26	LD025BC065W89ADA002	300x300	
BM-PL20028	28	LD030BC070W89ADA002	300x300	
BM-PL20030	30	LD030BC075W89ADA002	300x300	
BM-PL19020	20	LC 21/500/42 fixC SR ADV2	240x240	
BM-PL20024	24	LC 25/600/42 fixC SR ADV2	300x300	
BM-PL20030	30	LC 30/700/42 fixC SR ADV2	300x300	
BM-PL21012	12	TGPC-IH25-42-B1-0300	295x295	
BM-PL21015	15	TGPC-IH25-42-B1-0350	295x295	
BM-PL21018	18	TGPC-IH25-42-B1-0450	295x295	
BM-PL21020	20	TGPC-IH25-42-B1-0500	295x295	
BM-PL21012	12	BK-BEL030-0300	295x295	
BM-PL21015	15	BK-BEL030-0350	295x295	
BM-PL21018	18	BK-BEL030-0450	295x295	
BM-PL21020	20	BK-BEL030-0500	295x295	
BM-PL21012	12	BK-PLL016-0300	295x295	
BM-PL21015	15	BK-PLL016-0350	295x295	
BM-PL21018	18	BK-PLL022-0450	295x295	
BM-PL21020	20	BK-PLL022-0500	295x295	
BM-PL21012	12	BK-PUL018A-0450Ad	295x295	
BM-PL21015	15	BK-PUL018A-0450Ad	295x295	
BM-PL21018	18	BK-PUL018A-0450Ad	295x295	
BM-PL21020	20	BK-PUL018A-0450Ad	295x295	
BM-PL21012	12	DL-12W300-LEF	295x295	
BM-PL21015	15	DL-20W450-LEF	295x295	
BM-PL21018	18	DL-20W450-LEF	295x295	
BM-PL21020	20	DL-20W450-LEF	295x295	
BM-PL21012	12	LD013BC030W89ADA002	295x295	
BM-PL21015	15	LD015BC035W89ADA002	295x295	
BM-PL21018	18	LD019BC045W89ADA002	295x295	
BM-PL21020	20	LD021BC050W89ADA002	295x295	
BM-PL21020	20	LC 21/500/42 fixC SR ADV2	295x295	
BM-PL28020	20	TGPC-IH25-42-B1-0500	495x495	
BM-PL28024	24	TGPC-IH25-42-B1-0550	495x495	
BM-PL28026	26	TGPC-IH25-42-B1-0600	495x495	
BM-PL28028	28	TGPC-IH25-42-B1-0700	495x495	
BM-PL28030	30	TGPC-IH25-42-B1-0750	495x495	
BM-PL28032	32	TGPC-IH25-42-B1-0800	495x495	
BM-PL28036	36	TGPC-IH25-42-B1-0850	495x495	
BM-PL28040	40	TGPC-IH25-42-B1-0950	495x495	

BM-PL28020	20	BK-BEL030-0500	495x495	
BM-PL28024	24	BK-BEL030-0600	495x495	
BM-PL28026	26	BK-BEL030-0650	495x495	
BM-PL28028	28	BK-BEL030-0700	495x495	
BM-PL28030	30	BK-BEL030-0750	495x495	
BM-PL28032	32	BK-BEL042-0800	495x495	
BM-PL28036	36	BK-BEL042-0900	495x495	
BM-PL28040	40	BK-BEL042-1000	495x495	
BM-PL28020	20	BK-PLL022-0500	495x495	
BM-PL28024	24	BK-PLL022-0600	495x495	
BM-PL28026	26	BK-PLL040-0650	495x495	
BM-PL28028	28	BK-PLL040-0700	495x495	
BM-PL28030	30	BK-PLL040-0750	495x495	
BM-PL28032	32	BK-PLL040-0800	495x495	
BM-PL28036	36	BK-PLL040-0900	495x495	
BM-PL28040	40	BK-PLL040-1000	495x495	
BM-PL28020	20	BK-PUL018A-0450Ad	495x495	
BM-PL28024	24	BK-PUL030A-0700Ad	495x495	
BM-PL28026	26	BK-PUL030A-0700Ad	495x495	
BM-PL28028	28	BK-PUL030A-0700Ad	495x495	
BM-PL28030	30	BK-PUL042A-1100Ad	495x495	
BM-PL28032	32	BK-PUL042A-1100Ad	495x495	
BM-PL28036	36	BK-PUL042A-1100Ad	495x495	
BM-PL28040	40	BK-PUL042A-1100Ad	495x495	
BM-PL28020	20	DL-20W450-LEF	495x495	
BM-PL28024	24	DL-20W600-LEF	495x495	
BM-PL28026	26	DL-30W600-LEF	495x495	
BM-PL28028	28	DL-30W700-LEF	495x495	
BM-PL28030	30	DL-40W750-LEF	495x495	
BM-PL28032	32	DL-40W800-LEF	495x495	
BM-PL28036	36	DL-40W900-LEF	495x495	
BM-PL28040	40	DL-40W1A0-LEF	495x495	
BM-PL28020	20	LD021BC050W89ADA002	495x495	
BM-PL28024	24	LD025BC060W89ADA002	495x495	
BM-PL28026	26	LD025BC065W89ADA002	495x495	
BM-PL28028	28	LD030BC070W89ADA002	495x495	
BM-PL28030	30	LD030BC075W89ADA002	495x495	
BM-PL28032	32	LD032BC080W89ADA002	495x495	
BM-PL28036	36	LD040BC090W89ADA002	495x495	
BM-PL28040	40	LD042BC100W89ADA002	495x495	
BM-PL28020	20	LC 21/500/42 fixC SR ADV2	495x495	
BM-PL28024	24	LC 25/600/42 fixC SR ADV2	495x495	

BM-PL28028	28	LC 30/700/42 fixC SR ADV2	495x495	
BM-PL28032	32	LC 35/800/44 fixC SR ADV2	495x495	
BM-PL28036	36	LC 38/900/42 fixC SR ADV2	495x495	
BM-PL28042	42	LC 44/1050/42 fixC SR ADV2	495x495	
BM-PL23020	20	TGPC-IH40-42-B1-0500	595x595	
BM-PL23024	24	TGPC-IH40-42-B1-0550	595x595	
BM-PL23026	26	TGPC-IH40-42-B1-0600	595x595	
BM-PL23028	28	TGPC-IH40-42-B1-0700	595x595	
BM-PL23030	30	TGPC-IH40-42-B1-0750	595x595	
BM-PL23032	32	TGPC-IH40-42-B1-0800	595x595	
BM-PL23036	36	TGPC-IH40-42-B1-0850	595x595	
BM-PL23040	40	TGPC-IH40-42-B1-0950	595x595	
BM-PL23020	20	BK-BEL030-0500	595x595	
BM-PL23024	24	BK-BEL030-0600	595x595	
BM-PL23026	26	BK-BEL030-0650	595x595	
BM-PL23028	28	BK-BEL030-0700	595x595	
BM-PL23030	30	BK-BEL030-0750	595x595	
BM-PL23032	32	BK-BEL042-0800	595x595	
BM-PL23036	36	BK-BEL042-0900	595x595	
BM-PL23040	40	BK-BEL042-1000	595x595	
BM-PL23042	42	BK-BEL042-1050	595x595	
BM-PL23020	20	BK-PLL022-0500	595x595	
BM-PL23024	24	BK-PLL022-0600	595x595	
BM-PL23026	26	BK-PLL040-0650	595x595	
BM-PL23028	28	BK-PLL040-0700	595x595	
BM-PL23030	30	BK-PLL040-0750	595x595	
BM-PL23032	32	BK-PLL040-0800	595x595	
BM-PL23036	36	BK-PLL040-0900	595x595	
BM-PL23040	40	BK-PLL040-1000	595x595	
BM-PL23042	42	BK-PLL042-1050	595x595	
BM-PL23045	45	BK-PLL042-1100	595x595	
BM-PL23048	48	BK-PLL056-1200	595x595	
BM-PL23020	20	BK-PUL018A-0450Ad	595x595	
BM-PL23024	24	BK-PUL030A-0700Ad	595x595	
BM-PL23026	26	BK-PUL030A-0700Ad	595x595	
BM-PL23028	28	BK-PUL030A-0700Ad	595x595	
BM-PL23030	30	BK-PUL042A-1100Ad	595x595	
BM-PL23032	32	BK-PUL042A-1100Ad	595x595	
BM-PL23036	36	BK-PUL042A-1100Ad	595x595	
BM-PL23040	40	BK-PUL042A-1100Ad	595x595	
BM-PL23042	42	BK-PUL042A-1100Ad	595x595	
BM-PL23045	45	BK-PUL042A-1100Ad	595x595	

BM-PL23048	48	BK-PUL060A-2000Ad	595x595	
BM-PL23020	20	DL-20W450-LEF	595x595	
BM-PL23024	24	DL-20W600-LEF	595x595	
BM-PL23026	26	DL-30W600-LEF	595x595	
BM-PL23028	28	DL-30W700-LEF	595x595	
BM-PL23030	30	DL-40W750-LEF	595x595	
BM-PL23032	32	DL-40W800-LEF	595x595	
BM-PL23036	36	DL-40W900-LEF	595x595	
BM-PL23040	40	DL-40W1A0-LEF	595x595	
BM-PL23042	42	DL-40W1A05-LEF	595x595	
BM-PL23045	45	DL-50W1A1-LEF	595x595	
BM-PL23048	48	DL-50W1A15-LEF	595x595	
BM-PL23020	20	LD021BC050W89ADA002	595x595	
BM-PL23024	24	LD025BC060W89ADA002	595x595	
BM-PL23026	26	LD025BC065W89ADA002	595x595	
BM-PL23028	28	LD030BC070W89ADA002	595x595	
BM-PL23030	30	LD030BC075W89ADA002	595x595	
BM-PL23032	32	LD032BC080W89ADA002	595x595	
BM-PL23036	36	LD040BC090W89ADA002	595x595	
BM-PL23040	40	LD042BC100W89ADA002	595x595	
BM-PL23042	42	LD042BC100W89ADA002	595x595	
BM-PL23020	20	LC 21/500/42 fixC SR ADV2	595x595	
BM-PL23024	24	LC 25/600/42 fixC SR ADV2	595x595	
BM-PL23028	28	LC 30/700/42 fixC SR ADV2	595x595	
BM-PL23032	32	LC 35/800/44 fixC SR ADV2	595x595	
BM-PL23036	36	LC 38/900/42 fixC SR ADV2	595x595	
BM-PL23042	42	LC 44/1050/42 fixC SR ADV2	595x595	
BM-PL26020	20	TGPC-IH40-42-B1-0500	620x620	
BM-PL26024	24	TGPC-IH40-42-B1-0550	620x620	
BM-PL26026	26	TGPC-IH40-42-B1-0600	620x620	
BM-PL26028	28	TGPC-IH40-42-B1-0700	620x620	
BM-PL26030	30	TGPC-IH40-42-B1-0750	620x620	
BM-PL26032	32	TGPC-IH40-42-B1-0800	620x620	
BM-PL26036	36	TGPC-IH40-42-B1-0850	620x620	
BM-PL26040	40	TGPC-IH40-42-B1-0950	620x620	
BM-PL26042	42	TGPC-IH46-42-B1-1050	620x620	
BM-PL26045	45	TGPC-IH46-42-B1-1100	620x620	
BM-PL26020	20	BK-BEL030-0500	620x620	
BM-PL26024	24	BK-BEL030-0600	620x620	
BM-PL26026	26	BK-BEL030-0650	620x620	
BM-PL26028	28	BK-BEL030-0700	620x620	
BM-PL26030	30	BK-BEL030-0750	620x620	

BM-PL26032	32	BK-BEL042-0800	620x620	
BM-PL26036	36	BK-BEL042-0900	620x620	
BM-PL26040	40	BK-BEL042-1000	620x620	
BM-PL26042	42	BK-BEL042-1050	620x620	
BM-PL26020	20	BK-PLL022-0500	620x620	
BM-PL26024	24	BK-PLL022-0600	620x620	
BM-PL26026	26	BK-PLL040-0650	620x620	
BM-PL26028	28	BK-PLL040-0700	620x620	
BM-PL26030	30	BK-PLL040-0750	620x620	
BM-PL26032	32	BK-PLL040-0800	620x620	
BM-PL26036	36	BK-PLL040-0900	620x620	
BM-PL26040	40	BK-PLL040-1000	620x620	
BM-PL26042	42	BK-PLL042-1050	620x620	
BM-PL26045	45	BK-PLL042-1100	620x620	
BM-PL26048	48	BK-PLL056-1200	620x620	
BM-PL26050	50	BK-PLL056-1250	620x620	
BM-PL26060	60	BK-PLL056-1400	620x620	
BM-PL26020	20	BK-PUL018A-0450Ad	620x620	
BM-PL26024	24	BK-PUL030A-0700Ad	620x620	
BM-PL26026	26	BK-PUL030A-0700Ad	620x620	
BM-PL26028	28	BK-PUL030A-0700Ad	620x620	
BM-PL26030	30	BK-PUL042A-1100Ad	620x620	
BM-PL26032	32	BK-PUL042A-1100Ad	620x620	
BM-PL26036	36	BK-PUL042A-1100Ad	620x620	
BM-PL26040	40	BK-PUL042A-1100Ad	620x620	
BM-PL26042	42	BK-PUL042A-1100Ad	620x620	
BM-PL26045	45	BK-PUL042A-1100Ad	620x620	
BM-PL26048	48	BK-PUL060A-2000Ad	620x620	
BM-PL26050	50	BK-PUL060A-2000Ad	620x620	
BM-PL26060	60	BK-PUL060A-2000Ad	620x620	
BM-PL26020	20	DL-20W450-LEF	620x620	
BM-PL26024	24	DL-20W600-LEF	620x620	
BM-PL26026	26	DL-30W600-LEF	620x620	
BM-PL26028	28	DL-30W700-LEF	620x620	
BM-PL26030	30	DL-40W750-LEF	620x620	
BM-PL26032	32	DL-40W800-LEF	620x620	
BM-PL26036	36	DL-40W900-LEF	620x620	
BM-PL26040	40	DL-40W1A0-LEF	620x620	
BM-PL26042	42	DL-40W1A05-LEF	620x620	
BM-PL26045	45	DL-50W1A1-LEF	620x620	
BM-PL26048	48	DL-50W1A15-LEF	620x620	
BM-PL26050	50	DL-50W1A2-LEF	620x620	

BM-PL26020	20	LD021BC050W89ADA002	620x620	
BM-PL26024	24	LD025BC060W89ADA002	620x620	
BM-PL26026	26	LD025BC065W89ADA002	620x620	
BM-PL26028	28	LD030BC070W89ADA002	620x620	
BM-PL26030	30	LD030BC075W89ADA002	620x620	
BM-PL26032	32	LD032BC080W89ADA002	620x620	
BM-PL26036	36	LD040BC090W89ADA002	620x620	
BM-PL26040	40	LD042BC100W89ADA002	620x620	
BM-PL26042	42	LD042BC100W89ADA002	620x620	
BM-PL26020	20	LC 21/500/42 fixC SR ADV2	620x620	
BM-PL26024	24	LC 25/600/42 fixC SR ADV2	620x620	
BM-PL26028	28	LC 30/700/42 fixC SR ADV2	620x620	
BM-PL26032	32	LC 35/800/44 fixC SR ADV2	620x620	
BM-PL26036	36	LC 38/900/42 fixC SR ADV2	620x620	
BM-PL26042	42	LC 44/1050/42 fixC SR ADV2	620x620	
BM-PL29020	20	TGPC-IH40-42-B1-0500	600x600	
BM-PL29024	24	TGPC-IH40-42-B1-0550	600x600	
BM-PL29026	26	TGPC-IH40-42-B1-0600	600x600	
BM-PL29028	28	TGPC-IH40-42-B1-0700	600x600	
BM-PL29030	30	TGPC-IH40-42-B1-0750	600x600	
BM-PL29032	32	TGPC-IH40-42-B1-07800	600x600	
BM-PL29036	36	TGPC-IH40-42-B1-0850	600x600	
BM-PL29040	40	TGPC-IH40-42-B1-0950	600x600	
BM-PL29042	42	TGPC-IH46-42-B1-1050	600x600	
BM-PL29045	45	TGPC-IH46-42-B1-1100	600x600	
BM-PL29020	20	BK-BEL030-0500	600x600	
BM-PL29024	24	BK-BEL030-0600	600x600	
BM-PL29026	26	BK-BEL030-0650	600x600	
BM-PL29028	28	BK-BEL030-0700	600x600	
BM-PL29030	30	BK-BEL030-0750	600x600	
BM-PL29032	32	BK-BEL042-0800	600x600	
BM-PL29036	36	BK-BEL042-0900	600x600	
BM-PL29040	40	BK-BEL042-1000	600x600	
BM-PL29042	42	BK-BEL042-1050	600x600	
BM-PL29020	20	BK-PLL022-0500	600x600	
BM-PL29024	24	BK-PLL022-0600	600x600	
BM-PL29026	26	BK-PLL040-0650	600x600	
BM-PL29028	28	BK-PLL040-0700	600x600	
BM-PL29030	30	BK-PLL040-0750	600x600	
BM-PL29032	32	BK-PLL040-0800	600x600	
BM-PL29036	36	BK-PLL040-0900	600x600	
BM-PL29040	40	BK-PLL040-1000	600x600	

BM-PL29042	42	BK-PLL042-1050	600x600	
BM-PL29045	45	BK-PLL042-1100	600x600	
BM-PL29048	48	BK-PLL056-1200	600x600	
BM-PL29050	50	BK-PLL056-1250	600x600	
BM-PL29060	60	BK-PLL056-1400	600x600	
BM-PL29020	20	BK-PUL018A-0450Ad	600x600	
BM-PL29024	24	BK-PUL030A-0700Ad	600x600	
BM-PL29026	26	BK-PUL030A-0700Ad	600x600	
BM-PL29028	28	BK-PUL030A-0700Ad	600x600	
BM-PL29030	30	BK-PUL042A-1100Ad	600x600	
BM-PL29032	32	BK-PUL042A-1100Ad	600x600	
BM-PL29036	36	BK-PUL042A-1100Ad	600x600	
BM-PL29040	40	BK-PUL042A-1100Ad	600x600	
BM-PL29042	42	BK-PUL042A-1100Ad	600x600	
BM-PL29045	45	BK-PUL042A-1100Ad	600x600	
BM-PL29048	48	BK-PUL060A-2000Ad	600x600	
BM-PL29020	20	DL-20W450-LEF	600x600	
BM-PL29024	24	DL-20W600-LEF	600x600	
BM-PL29026	26	DL-30W600-LEF	600x600	
BM-PL29028	28	DL-30W700-LEF	600x600	
BM-PL29030	30	DL-40W750-LEF	600x600	
BM-PL29032	32	DL-40W800-LEF	600x600	
BM-PL29036	36	DL-40W900-LEF	600x600	
BM-PL29040	40	DL-40W1A0-LEF	600x600	
BM-PL29042	42	DL-40W1A05-LEF	600x600	
BM-PL29045	45	DL-50W1A1-LEF	600x600	
BM-PL29048	48	DL-50W1A15-LEF	600x600	
BM-PL29050	50	DL-50W1A2-LEF	600x600	
BM-PL29020	20	LD021BC050W89ADA002	600x600	
BM-PL29024	24	LD025BC060W89ADA002	600x600	
BM-PL29026	26	LD025BC065W89ADA002	600x600	
BM-PL29028	28	LD030BC070W89ADA002	600x600	
BM-PL29030	30	LD030BC075W89ADA002	600x600	
BM-PL29032	32	LD032BC080W89ADA002	600x600	
BM-PL29036	36	LD040BC090W89ADA002	600x600	
BM-PL29040	40	LD042BC100W89ADA002	600x600	
BM-PL29042	42	LD042BC100W89ADA002	600x600	
BM-PL29020	20	LC 21/500/42 fixC SR ADV2	600x600	
BM-PL29024	24	LC 25/600/42 fixC SR ADV2	600x600	
BM-PL29028	28	LC 30/700/42 fixC SR ADV2	600x600	
BM-PL29032	32	LC 35/800/44 fixC SR ADV2	600x600	
BM-PL29036	36	LC 38/900/42 fixC SR ADV2	600x600	

BM-PL29042	42	LC 44/1050/42 fixC SR ADV2	600x600	
BM-BPL81030	30	TGPC-IH40-42-B1-0750	595x595	
BM-BPL81032	32	TGPC-IH40-42-B1-0800	595x595	
BM-BPL81036	36	TGPC-IH40-42-B1-0850	595x595	
BM-BPL81040	40	TGPC-IH40-42-B1-0950	595x595	
BM-BPL81042	42	TGPC-IH46-42-B1-1050	595x595	
BM-BPL81045	45	TGPC-IH46-42-B1-1100	595x595	
BM-BPL81030	30	BK-BEL030-0750	595x595	
BM-BPL81032	32	BK-BEL042-0800	595x595	
BM-BPL81036	36	BK-BEL042-0900	595x595	
BM-BPL81040	40	BK-BEL042-1000	595x595	
BM-BPL81042	42	BK-BEL042-1050	595x595	
BM-BPL81030	30	BK-PLL040-0750	595x595	
BM-BPL81032	32	BK-PLL040-0800	595x595	
BM-BPL81036	36	BK-PLL040-0900	595x595	
BM-BPL81040	40	BK-PLL040-1000	595x595	
BM-BPL81042	42	BK-PLL042-1050	595x595	
BM-BPL81045	45	BK-PLL056-1150	595x595	
BM-BPL81048	48	BK-PLL056-1200	595x595	
BM-BPL81050	50	BK-PLL056-1250	595x595	
BM-BPL81030	30	BK-PUL042A-1100Ad	595x595	
BM-BPL81032	32	BK-PUL042A-1100Ad	595x595	
BM-BPL81036	36	BK-PUL042A-1100Ad	595x595	
BM-BPL81040	40	BK-PUL042A-1100Ad	595x595	
BM-BPL81042	42	BK-PUL042A-1100Ad	595x595	
BM-BPL81045	45	BK-PUL042A-1100Ad	595x595	
BM-BPL81048	48	BK-PUL060A-2000Ad	595x595	
BM-BPL81050	50	BK-PUL060A-2000Ad	595x595	
BM-BPL81030	30	DL-40W750-LEF	595x595	
BM-BPL81032	32	DL-40W800-LEF	595x595	
BM-BPL81036	36	DL-40W900-LEF	595x595	
BM-BPL81040	40	DL-40W1A0-LEF	595x595	
BM-BPL81042	42	DL-40W1A05-LEF	595x595	
BM-BPL81045	45	DL-40W1A1-LEF	595x595	
BM-BPL81048	48	DL-50W1A15-LEF	595x595	
BM-BPL81050	50	DL-50W1A2-LEF	595x595	
BM-BPL81030	30	LD030BC075W89ADA002	595x595	
BM-BPL81032	32	LD032BC080W89ADA002	595x595	
BM-BPL81036	36	LD040BC090W89ADA002	595x595	
BM-BPL81040	40	LD042BC100W89ADA002	595x595	
BM-BPL81042	42	LD042BC100W89ADA002	595x595	
BM-BPL81032	32	LC 35/800/44 fixC SR ADV2	595x595	

BM-BPL81036	36	LC 38/900/42 fixC SR ADV2	595x595	
BM-BPL81042	42	LC 44/1050/42 fixC SR ADV2	595x595	
BM-PL91024	24	PPL042-0600	595x595	
BM-PL91026	26	PPL042-0650	595x595	
BM-PL91028	28	PPL042-0700	595x595	
BM-PL91030	30	PPL042-0750	595x595	
BM-PL91032	32	PPL042-0800	595x595	
BM-PL91036	36	PPL042-0900	595x595	
BM-PL91040	40	PPL042-1000	595x595	
BM-PL22018	12	TGPC-IH25-42-B1-0300	295x595	
BM-PL22018	15	TGPC-IH25-42-B1-0350	295x595	
BM-PL22018	18	TGPC-IH25-42-B1-0450	295x595	
BM-PL22020	20	TGPC-IH25-42-B1-0450	295x595	
BM-PL22022	22	TGPC-IH25-42-B1-0500	295x595	
BM-PL22020	20	BK-BEL030-0500	295x595	
BM-PL22022	22	BK-BEL030-0550	295x595	
BM-PL22024	24	BK-BEL030-0600	295x595	
BM-PL22020	20	BK-PLL022-0500	295x595	
BM-PL22022	22	BK-PLL022-0550	295x595	
BM-PL22024	24	BK-PLL022-0600	295x595	
BM-PL22020	20	BK-PUL018A-0450Ad	295x595	
BM-PL22022	22	BK-PUL030A-0700Ad	295x595	
BM-PL22024	24	BK-PUL030A-0700Ad	295x595	
BM-PL22020	20	DL-20W450-LEF	295x595	
BM-PL22022	22	DL-20W550-LEF	295x595	
BM-PL22024	24	DL-20W600-LEF	295x595	
BM-PL22020	20	LD021BC050W89ADA002	295x595	
BM-PL22022	22	LD023BC055W89ADA002	295x595	
BM-PL22024	24	LD025BC060W89ADA002	295x595	
BM-PL22020	20	LC 21/500/42 fixC SR ADV2	295x595	
BM-PL22022	22	LC 21/500/42 fixC SR ADV2	295x595	
BM-PL22024	24	LC 25/600/42 fixC SR ADV2	295x595	
BM-PL24020	20	TGPC-IH40-42-B1-0500	295x1195	
BM-PL24024	24	TGPC-IH40-42-B1-0550	295x1195	
BM-PL24026	26	TGPC-IH40-42-B1-0600	295x1195	
BM-PL24028	28	TGPC-IH40-42-B1-0700	295x1195	
BM-PL24030	30	TGPC-IH40-42-B1-0750	295x1195	
BM-PL24032	32	TGPC-IH40-42-B1-0800	295x1195	
BM-PL24036	36	TGPC-IH40-42-B1-0850	295x1195	
BM-PL24040	40	TGPC-IH40-42-B1-0950	295x1195	
BM-PL24042	42	TGPC-IH46-42-B1-1050	295x1195	
BM-PL24045	45	TGPC-IH46-42-B1-1100	295x1195	

BM-PL24020	20	BK-BEL030-0500	295x1195	
BM-PL24024	24	BK-BEL030-0600	295x1195	
BM-PL24026	26	BK-BEL030-0650	295x1195	
BM-PL24028	28	BK-BEL030-0700	295x1195	
BM-PL24030	30	BK-BEL030-0750	295x1195	
BM-PL24032	32	BK-BEL042-0800	295x1195	
BM-PL24036	36	BK-BEL042-0900	295x1195	
BM-PL24040	40	BK-BEL042-1000	295x1195	
BM-PL24042	42	BK-BEL042-1050	295x1195	
BM-PL24020	20	BK-PLL022-0500	295x1195	
BM-PL24024	24	BK-PLL022-0600	295x1195	
BM-PL24026	26	BK-PLL040-0650	295x1195	
BM-PL24028	28	BK-PLL040-0700	295x1195	
BM-PL24030	30	BK-PLL040-0750	295x1195	
BM-PL24032	32	BK-PLL040-0800	295x1195	
BM-PL24036	36	BK-PLL040-0900	295x1195	
BM-PL24040	40	BK-PLL040-1000	295x1195	
BM-PL24042	42	BK-PLL042-1050	295x1195	
BM-PL24045	45	BK-PLL042-1100	295x1195	
BM-PL24048	48	BK-PLL056-1200	295x1195	
BM-PL24020	20	BK-PUL018A-0450Ad	295x1195	
BM-PL24024	24	BK-PUL030A-0700Ad	295x1195	
BM-PL24026	26	BK-PUL030A-0700Ad	295x1195	
BM-PL24028	28	BK-PUL030A-0700Ad	295x1195	
BM-PL24030	30	BK-PUL042A-1100Ad	295x1195	
BM-PL24032	32	BK-PUL042A-1100Ad	295x1195	
BM-PL24036	36	BK-PUL042A-1100Ad	295x1195	
BM-PL24040	40	BK-PUL042A-1100Ad	295x1195	
BM-PL24042	42	BK-PUL042A-1100Ad	295x1195	
BM-PL24045	45	BK-PUL042A-1100Ad	295x1195	
BM-PL24048	48	BK-PUL060A-2000Ad	295x1195	
BM-PL24020	20	DL-20W450-LEF	295x1195	
BM-PL24024	24	DL-20W600-LEF	295x1195	
BM-PL24026	26	DL-30W600-LEF	295x1195	
BM-PL24028	28	DL-30W700-LEF	295x1195	
BM-PL24030	30	DL-40W750-LEF	295x1195	
BM-PL24032	32	DL-40W800-LEF	295x1195	
BM-PL24036	36	DL-40W900-LEF	295x1195	
BM-PL24040	40	DL-40W1A0-LEF	295x1195	
BM-PL24042	42	DL-40W1A05-LEF	295x1195	
BM-PL24045	45	DL-50W1A1-LEF	295x1195	
BM-PL24048	48	DL-50W1A15-LEF	295x1195	

BM-PL24020	20	LD021BC050W89ADA002	295x1195	
BM-PL24024	24	LD025BC060W89ADA002	295x1195	
BM-PL24026	26	LD025BC065W89ADA002	295x1195	
BM-PL24028	28	LD030BC070W89ADA002	295x1195	
BM-PL24030	30	LD030BC075W89ADA002	295x1195	
BM-PL24032	32	LD032BC080W89ADA002	295x1195	
BM-PL24036	36	LD040BC090W89ADA002	295x1195	
BM-PL24040	40	LD042BC100W89ADA002	295x1195	
BM-PL24042	42	LD042BC100W89ADA002	295x1195	
BM-PL24020	20	LC 21/500/42 fixC SR ADV2	295x1195	
BM-PL24024	24	LC 25/600/42 fixC SR ADV2	295x1195	
BM-PL24026	26	LC 30/700/42 fixC SR ADV2	295x1195	
BM-PL24028	28	LC 30/700/42 fixC SR ADV2	295x1195	
BM-PL24030	30	LC 35/800/44 fixC SR ADV2	295x1195	
BM-PL24032	32	LC 35/800/44 fixC SR ADV2	295x1195	
BM-PL24036	36	LC 38/900/42 fixC SR ADV2	295x1195	
BM-PL24042	42	LC 44/1050/42 fixC SR ADV2	295x1195	
BM-PL25040	40	TGPC-IH40-42-B1-0950	595x1195	
BM-PL25040	45	TGPC-IH46-42-B1-1100	595x1195	
BM-PL25072	72	2xTGPC-IH40-42-B1-0850	595x1195	
BM-PL25080	80	2x TGPC-IH40-42-B1-0950	595x1195	
BM-PL25040	40	BK-BEL042-1000	595x1195	
BM-PL25042	42	BK-BEL042-1050	595x1195	
BM-PL25072	72	2x BK-BEL042-0900	595x1195	
BM-PL25080	80	2x BK-BEL042-1000	595x1195	
BM-PL25040	40	BK-PLL040-1000	595x1195	
BM-PL25045	45	BK-PLL042-1100	595x1195	
BM-PL25048	48	BK-PLL056-1200	595x1195	
BM-PL25050	50	BK-PLL056-1250	595x1195	
BM-PL25054	54	BK-PLL056-1350	595x1195	
BM-PL25060	60	BK-PLL056-1400	595x1195	
BM-PL25072	72	2x BK-PLL040-0900	595x1195	
BM-PL25080	80	2x BK-PLL040-1000	595x1195	
BM-PL25040	40	BK-PUL042A-1100Ad	595x1195	
BM-PL25045	45	BK-PUL042A-1100Ad	595x1195	
BM-PL25048	48	BK-PUL060A-2000Ad	595x1195	
BM-PL25050	50	BK-PUL060A-2000Ad	595x1195	
BM-PL25054	54	BK-PUL060A-2000Ad	595x1195	
BM-PL25060	60	BK-PUL060A-2000Ad	595x1195	
BM-PL25072	72	2x BK-PUL042A-1100Ad	595x1195	
BM-PL25080	80	2x BK-PUL042A-1100Ad	595x1195	
BM-PL25040	40	DL-40W1A0-LEF	595x1195	

BM-PL25045	45	DL-50W1A1-LEF	595x1195	
BM-PL25048	48	DL-50W1A15-LEF	595x1195	
BM-PL25050	50	DL-50W1A2-LEF	595x1195	
BM-PL25054	54	DL-50W1A2-LEF	595x1195	
BM-PL25072	72	2x DL-40W900-LEF	595x1195	
BM-PL25080	80	2x DL-40W1A0-LEF	595x1195	
BM-PL25040	40	LD042BC100W89ADA002	595x1195	
BM-PL25042	42	LD042BC100W89ADA002	595x1195	
BM-PL25072	72	2x LD040BC090W89ADA002	595x1195	
BM-PL25080	80	2x LD042BC100W89ADA002	595x1195	
BM-PL25042	42	LC 44/1050/42 fixC SR ADV2	595x1195	
BM-PL25072	72	2x LC 38/900/42 fixC SR ADV2	595x1195	
BM-PL25080	80	2x LC 44/1050/42 fixC SR ADV2	595x1195	
BM-BPL82024	24	TGPC-IH25-42-B1-0550	295x1195	
BM-BPL82026	26	TGPC-IH25-42-B1-0600	295x1195	
BM-BPL82028	28	TGPC-IH40-42-B1-0700	295x1195	
BM-BPL82030	30	TGPC-IH40-42-B1-0750	295x1195	
BM-BPL82032	32	TGPC-IH40-42-B1-0800	295x1195	
BM-BPL82036	36	TGPC-IH40-42-B1-0850	295x1195	
BM-BPL82040	40	TGPC-IH40-42-B1-0950	295x1195	
BM-BPL82024	24	BK-BEL030-0600	295x1195	
BM-BPL82026	26	BK-BEL030-0650	295x1195	
BM-BPL82028	28	BK-BEL030-0700	295x1195	
BM-BPL82030	30	BK-BEL030-0750	295x1195	
BM-BPL82032	32	BK-BEL042-0800	295x1195	
BM-BPL82036	36	BK-BEL042-0900	295x1195	
BM-BPL82040	40	BK-BEL042-1000	295x1195	
BM-BPL83072	72	2x BK-BEL042-0900	295x1195	
BM-BPL83080	80	2x BK-BEL042-1000	295x1195	
BM-BPL82024	24	BK-PLL022-0600	295x1195	
BM-BPL82026	26	BK-PLL040-0650	295x1195	
BM-BPL82028	28	BK-PLL040-0700	295x1195	
BM-BPL82030	30	BK-PLL040-0750	295x1195	
BM-BPL82032	32	BK-PLL040-0800	295x1195	
BM-BPL82036	36	BK-PLL040-0900	295x1195	
BM-BPL82040	40	BK-PLL040-1000	295x1195	
BM-BPL82045	45	BK-PLL056-1150	295x1195	
BM-BPL82048	48	BK-PLL056-1200	295x1195	
BM-BPL82050	50	BK-PLL056-1250	295x1195	
BM-BPL82024	24	BK-PUL030A-0700Ad	295x1195	
BM-BPL82026	26	BK-PUL030A-0700Ad	295x1195	
BM-BPL82028	28	BK-PUL030A-0700Ad	295x1195	

BM-BPL82030	30	BK-PUL042A-1100Ad	295x1195	
BM-BPL82032	32	BK-PUL042A-1100Ad	295x1195	
BM-BPL82036	36	BK-PUL042A-1100Ad	295x1195	
BM-BPL82040	40	BK-PUL042A-1100Ad	295x1195	
BM-BPL82045	45	BK-PUL042A-1100Ad	295x1195	
BM-BPL82048	48	BK-PUL060A-2000Ad	295x1195	
BM-BPL82050	50	BK-PUL060A-2000Ad	295x1195	
BM-BPL82024	24	DL-20W600-LEF	295x1195	
BM-BPL82026	26	DL-30W600-LEF	295x1195	
BM-BPL82028	28	DL-30W650-LEF	295x1195	
BM-BPL82030	30	DL-40W750-LEF	295x1195	
BM-BPL82032	32	DL-40W800-LEF	295x1195	
BM-BPL82036	36	DL-40W900-LEF	295x1195	
BM-BPL82040	40	DL-40W1A0-LEF	295x1195	
BM-BPL82045	45	DL-40W1A1-LEF	295x1195	
BM-BPL82048	48	DL-50W1A15-LEF	295x1195	
BM-BPL82050	50	DL-50W1A2-LEF	295x1195	
BM-BPL82024	24	LD025BC060W89ADA002	295x1195	
BM-BPL82026	26	LD025BC065W89ADA002	295x1195	
BM-BPL82028	28	LD030BC070W89ADA002	295x1195	
BM-BPL82030	30	LD030BC075W89ADA002	295x1195	
BM-BPL82032	32	LD032BC080W89ADA002	295x1195	
BM-BPL82036	36	LD040BC090W89ADA002	295x1195	
BM-BPL82040	40	LD042BC100W89ADA002	295x1195	
BM-BPL82024	24	LC 25/600/42 fixC SR ADV2	295x1195	
BM-BPL82028	28	LC 30/700/42 fixC SR ADV2	295x1195	
BM-BPL82032	32	LC 35/800/44 fixC SR ADV2	295x1195	
BM-BPL82036	36	LC 38/900/42 fixC SR ADV2	295x1195	
BM-BPL82042	42	LC 44/1050/42 fixC SR ADV2	295x1195	
BM-BPL83040	40	TGPC-IH40-42-B1-0950	595x1195	
BM-BPL83072	72	2x TGPC-IH40-42-B1-0850	595x1195	
BM-BPL83080	80	2x TGPC-IH40-42-B1-0950	595x1195	
BM-BPL83040	40	BK-BEL042-1000	595x1195	
BM-BPL83040	40	BK-PLL040-1000	595x1195	
BM-BPL83045	45	BK-PLL056-1150	595x1195	
BM-BPL83048	48	BK-PLL056-1200	595x1195	
BM-BPL83050	50	BK-PLL056-1250	595x1195	
BM-BPL83054	54	BK-PLL056-1350	595x1195	
BM-BPL83060	60	BK-PLL056-1400	595x1195	
BM-BPL83072	72	2x BK-PLL040-0900	595x1195	
BM-BPL83080	80	2x BK-PLL040-1000	595x1195	
BM-BPL83040	40	BK-PUL042A-1100Ad	595x1195	

BM-BPL83045	45	BK-PUL042A-1100Ad	595x1195	
BM-BPL83048	48	BK-PUL060A-2000Ad	595x1195	
BM-BPL83050	50	BK-PUL060A-2000Ad	595x1195	
BM-BPL83054	54	BK-PUL060A-2000Ad	595x1195	
BM-BPL83060	60	BK-PUL060A-2000Ad	595x1195	
BM-BPL83072	72	BK-PUL042A-1100Ad	595x1195	
BM-BPL83080	80	BK-PUL042A-1100Ad	595x1195	
BM-BPL83040	40	DL-40W1A0-LEF	595x1195	
BM-BPL83045	45	DL-40W1A1-LEF	595x1195	
BM-BPL83048	48	DL-50W1A15-LEF	595x1195	
BM-BPL83050	50	DL-50W1A2-LEF	595x1195	
BM-BPL83054	54	DL-50W1A2-LEF	595x1195	
BM-BPL83072	72	2x DL-40W900-LEF	595x1195	
BM-BPL83080	80	2x DL-40W1A0-LEF	595x1195	
BM-BPL83040	40	LD042BC100W89ADA002	595x1195	
BM-BPL83042	42	LD042BC100W89ADA002	595x1195	
BM-BPL83072	72	2x LD040BC090W89ADA002	595x1195	
BM-BPL83080	80	2x LD042BC100W89ADA002	595x1195	
BM-BPL83042	42	LC 44/1050/42 fixC SR ADV2	595x1195	
BM-BPL83072	72	2x LC 38/900/42 fixC SR ADV2	595x1195	
BM-BPL83080	80	2x LC 44/1050/42 fixC SR ADV2	595x1195	
BM-PL92024	24	PPL042-0600	295x1195	
BM-PL92026	26	PPL042-0650	295x1195	
BM-PL92028	28	PPL042-0700	295x1195	
BM-PL92030	30	PPL042-0750	295x1195	
BM-PL92032	32	PPL042-0800	295x1195	
BM-PL92036	36	PPL042-0900	295x1195	
BM-PL92040	40	PPL042-1000	295x1195	
BM-TPL31012	12	TGPC-IH25-42-B1-0300	Φ200	
BM-TPL32013	13	TGPC-IH25-42-B1-0300	Φ300	
BM-TPL32015	15	TGPC-IH25-42-B1-0350	Φ300	
BM-TPL32018	18	TGPC-IH25-42-B1-0450	Φ300	
BM-TPL33016	16	TGPC-IH25-42-B1-0400	Φ400	
BM-TPL33018	18	TGPC-IH25-42-B1-0450	Φ400	
BM-TPL33020	20	TGPC-IH25-42-B1-0450	Φ400	
BM-TPL33022	22	TGPC-IH25-42-B1-0500	Φ400	
BM-TPL34025	25	TGPC-IH25-42-B1-0600	Φ500	
BM-TPL34026	26	TGPC-IH25-42-B1-0600	Φ500	
BM-TPL34028	28	TGPC-IH25-42-B1-0700	Φ500	
BM-TPL34030	30	TGPC-IH25-42-B1-0750	Φ500	
BM-TPL34036	36	TGPC-IH25-42-B1-0850	Φ500	
BM-TPL34040	40	TGPC-IH25-42-B1-0950	Φ500	

BM-TPL35040	26	TGPC-IH25-42-B1-0600	Φ600	
BM-TPL35040	28	TGPC-IH25-42-B1-0700	Φ600	
BM-TPL35030	30	TGPC-IH40-42-B1-0750	Φ600	
BM-TPL35032	32	TGPC-IH40-42-B1-0800	Φ600	
BM-TPL35036	36	TGPC-IH40-42-B1-0850	Φ600	
BM-TPL35040	40	TGPC-IH40-42-B1-0950	Φ600	
BM-TPL31012	12	BK-BEL030-0300	Φ200	
BM-TPL32013	13	BK-BEL030-0300	Φ300	
BM-TPL32015	15	BK-BEL030-0350	Φ300	
BM-TPL32018	18	BK-BEL030-0450	Φ300	
BM-TPL33016	16	BK-BEL030-0400	Φ400	
BM-TPL33018	18	BK-BEL030-0450	Φ400	
BM-TPL33020	20	BK-BEL030-0500	Φ400	
BM-TPL33022	22	BK-BEL030-0550	Φ400	
BM-TPL34025	25	BK-BEL030-0600	Φ500	
BM-TPL34026	26	BK-BEL030-0650	Φ500	
BM-TPL34028	28	BK-BEL030-0700	Φ500	
BM-TPL34030	30	BK-BEL030-0750	Φ500	
BM-TPL34036	36	BK-BEL042-0900	Φ500	
BM-TPL34040	40	BK-BEL042-1000	Φ500	
BM-TPL35026	26	BK-BEL030-0650	Φ600	
BM-TPL35028	28	BK-BEL030-0700	Φ600	
BM-TPL35030	30	BK-BEL030-0750	Φ600	
BM-TPL35032	32	BK-BEL042-0800	Φ600	
BM-TPL35036	36	BK-BEL042-0900	Φ600	
BM-TPL35040	40	BK-BEL042-1000	Φ600	
BM-TPL31012	12	BK-PLL016-0300	Φ200	
BM-TPL32013	13	BK-PLL016-0300	Φ300	
BM-TPL32015	15	BK-PLL016-0350	Φ300	
BM-TPL32018	18	BK-PLL022-0450	Φ300	
BM-TPL33016	16	BK-PLL022-0450	Φ400	
BM-TPL33018	18	BK-PLL022-0450	Φ400	
BM-TPL33020	20	BK-PLL022-0500	Φ400	
BM-TPL33022	22	BK-PLL022-0550	Φ400	
BM-TPL34025	25	BK-PLL022-0600	Φ500	
BM-TPL34026	26	BK-PLL040-0650	Φ500	
BM-TPL34028	28	BK-PLL040-0700	Φ500	
BM-TPL34030	30	BK-PLL040-0750	Φ500	
BM-TPL34036	36	BK-PLL040-0900	Φ500	
BM-TPL34040	40	BK-PLL040-1000	Φ500	
BM-TPL35026	26	BK-PLL040-0650	Φ600	
BM-TPL35028	28	BK-PLL040-0700	Φ600	

BM-TPL35030	30	BK-PLL040-0750	Φ600	
BM-TPL35032	32	BK-PLL040-0800	Φ600	
BM-TPL35036	36	BK-PLL040-0900	Φ600	
BM-TPL35040	40	BK-PLL040-1000	Φ600	
BM-TPL31012	12	BK-PUL018A-0450Ad	Φ200	
BM-TPL32013	13	BK-PUL018A-0450Ad	Φ300	
BM-TPL32015	15	BK-PUL018A-0450Ad	Φ300	
BM-TPL32018	18	BK-PUL018A-0450Ad	Φ300	
BM-TPL33016	16	BK-PUL018A-0450Ad	Φ400	
BM-TPL33018	18	BK-PUL018A-0450Ad	Φ400	
BM-TPL33020	20	BK-PUL018A-0450Ad	Φ400	
BM-TPL33022	22	BK-PUL030A-0700Ad	Φ400	
BM-TPL34025	25	BK-PUL030A-0700Ad	Φ500	
BM-TPL34026	26	BK-PUL030A-0700Ad	Φ500	
BM-TPL34028	28	BK-PUL030A-0700Ad	Φ500	
BM-TPL34030	30	BK-PUL042A-1100Ad	Φ500	
BM-TPL34036	36	BK-PUL042A-1100Ad	Φ500	
BM-TPL34040	40	BK-PUL042A-1100Ad	Φ500	
BM-TPL35026	26	BK-PUL030A-0700Ad	Φ600	
BM-TPL35028	28	BK-PUL030A-0700Ad	Φ600	
BM-TPL35030	30	BK-PUL042A-1100Ad	Φ600	
BM-TPL35032	32	BK-PUL042A-1100Ad	Φ600	
BM-TPL35036	36	BK-PUL042A-1100Ad	Φ600	
BM-TPL35040	40	BK-PUL042A-1100Ad	Φ600	
BM-TPL31012	12	DL-12W300-LEF	Φ200	
BM-TPL32013	13	DL-12W300-LEF	Φ300	
BM-TPL32015	15	DL-20W450-LEF	Φ300	
BM-TPL32018	18	DL-20W450-LEF	Φ300	
BM-TPL33016	16	DL-20W450-LEF	Φ400	
BM-TPL33018	18	DL-20W450-LEF	Φ400	
BM-TPL33020	20	DL-20W450-LEF	Φ400	
BM-TPL33022	22	DL-20W450-LEF	Φ400	
BM-TPL34025	25	DL-20W600-LEF	Φ500	
BM-TPL34026	26	DL-30W600-LEF	Φ500	
BM-TPL34028	28	DL-30W650-LEF	Φ500	
BM-TPL34030	30	DL-40W750-LEF	Φ500	
BM-TPL34036	36	DL-40W900-LEF	Φ500	
BM-TPL34040	40	DL-40W1A0-LEF	Φ500	
BM-TPL35026	26	DL-30W600-LEF	Φ600	
BM-TPL35028	28	DL-30W700-LEF	Φ600	
BM-TPL35030	30	DL-40W750-LEF	Φ600	
BM-TPL35032	32	DL-40W800-LEF	Φ600	

BM-TPL35036	36	DL-40W900-LEF	Φ600	
BM-TPL35040	40	DL-40W1A0-LEF	Φ600	
BM-TPL31012	12	LD013BC030W89ADA002	Φ200	
BM-TPL32013	13	LD013BC030W89ADA002	Φ300	
BM-TPL32015	15	LD015BC035W89ADA002	Φ300	
BM-TPL32018	18	LD019BC045W89ADA002	Φ300	
BM-TPL33016	16	LD019BC045W89ADA002	Φ400	
BM-TPL33018	18	LD019BC045W89ADA002	Φ400	
BM-TPL33020	20	LD021BC050W89ADA002	Φ400	
BM-TPL33022	22	LD023BC055W89ADA002	Φ400	
BM-TPL34025	25	LD025BC060W89ADA002	Φ500	
BM-TPL34026	26	LD025BC065W89ADA002	Φ500	
BM-TPL34028	28	LD030BC070W89ADA002	Φ500	
BM-TPL34030	30	LD030BC075W89ADA002	Φ500	
BM-TPL34036	36	LD040BC090W89ADA002	Φ500	
BM-TPL34040	40	LD042BC100W89ADA002	Φ500	
BM-TPL35026	26	LD025BC065W89ADA002	Φ600	
BM-TPL35028	28	LD030BC070W89ADA002	Φ600	
BM-TPL35030	30	LD030BC075W89ADA002	Φ600	
BM-TPL35032	32	LD032BC080W89ADA002	Φ600	
BM-TPL35036	36	LD040BC090W89ADA002	Φ600	
BM-TPL35040	40	LD042BC100W89ADA002	Φ600	
BM-TPL33020	20	LC 21/500/42 fixC SR ADV2	Φ400	
BM-TPL34025	25	LC 25/600/42 fixC SR ADV2	Φ500	
BM-TPL34028	28	LC 30/700/42 fixC SR ADV2	Φ500	
BM-TPL34032	32	LC 35/800/44 fixC SR ADV2	Φ500	
BM-TPL34036	36	LC 38/900/42 fixC SR ADV2	Φ500	
BM-TPL34042	42	LC 44/1050/42 fixC SR ADV2	Φ500	
BM-TPL35028	28	LC 30/700/42 fixC SR ADV2	Φ600	
BM-TPL35032	32	LC 35/800/44 fixC SR ADV2	Φ600	
BM-TPL35036	36	LC 38/900/42 fixC SR ADV2	Φ600	
BM-TPL35042	42	LC 44/1050/42 fixC SR ADV2	Φ600	
BM-TPL41012	12	TGPC-IH25-42-B1-0300	200x200	
BM-TPL42013	13	TGPC-IH25-42-B1-0300	300x300	
BM-TPL42015	15	TGPC-IH25-42-B1-0350	300x300	
BM-TPL42018	18	TGPC-IH25-42-B1-0450	300x300	
BM-TPL43016	16	TGPC-IH25-42-B1-0400	400x400	
BM-TPL43018	18	TGPC-IH25-42-B1-0450	400x400	
BM-TPL43020	20	TGPC-IH25-42-B1-0500	400x400	
BM-TPL43022	22	TGPC-IH25-42-B1-0550	400x400	
BM-TPL44025	25	TGPC-IH25-42-B1-0600	500x500	
BM-TPL44025	26	TGPC-IH25-42-B1-0600	500x500	

BM-TPL44025	28	TGPC-IH25-42-B1-0700	500x500	
BM-TPL44025	30	TGPC-IH25-42-B1-0750	500x500	
BM-TPL44025	32	TGPC-IH25-42-B1-0800	500x500	
BM-TPL44025	36	TGPC-IH25-42-B1-0850	500x500	
BM-TPL44025	40	TGPC-IH25-42-B1-0950	500x500	
BM-TPL45026	26	TGPC-IH25-42-B1-0600	600x600	
BM-TPL45028	28	TGPC-IH25-42-B1-0700	600x600	
BM-TPL45030	30	TGPC-IH40-42-B1-0750	600x600	
BM-TPL45032	32	TGPC-IH40-42-B1-0800	600x600	
BM-TPL45036	36	TGPC-IH40-42-B1-0850	600x600	
BM-TPL45040	40	TGPC-IH40-42-B1-0950	600x600	
BM-TPL41012	12	BK-BEL030-0300	200x200	
BM-TPL42013	13	BK-BEL030-0300	300x300	
BM-TPL42015	15	BK-BEL030-0350	300x300	
BM-TPL42018	18	BK-BEL030-0450	300x300	
BM-TPL43016	16	BK-BEL030-0400	400x400	
BM-TPL43018	18	BK-BEL030-0450	400x400	
BM-TPL43020	20	BK-BEL030-0500	400x400	
BM-TPL43022	22	BK-BEL030-0550	400x400	
BM-TPL44025	25	BK-BEL030-0600	500x500	
BM-TPL44026	26	BK-BEL030-0650	500x500	
BM-TPL44028	28	BK-BEL030-0700	500x500	
BM-TPL44030	30	BK-BEL030-0750	500x500	
BM-TPL44032	32	BK-BEL042-0800	500x500	
BM-TPL44036	36	BK-BEL042-0900	500x500	
BM-TPL44040	40	BK-BEL042-1000	500x500	
BM-TPL45026	26	BK-BEL030-0650	600x600	
BM-TPL45028	28	BK-BEL030-0700	600x600	
BM-TPL45030	30	BK-BEL030-0750	600x600	
BM-TPL45032	32	BK-BEL042-0800	600x600	
BM-TPL45036	36	BK-BEL042-0900	600x600	
BM-TPL45040	40	BK-BEL042-1000	600x600	
BM-TPL41012	12	BK-PLL016-0300	200x200	
BM-TPL42013	13	BK-PLL016-0300	300x300	
BM-TPL42015	15	BK-PLL016-0350	300x300	
BM-TPL42018	18	BK-PLL022-0450	300x300	
BM-TPL43016	16	BK-PLL022-0450	400x400	
BM-TPL43018	18	BK-PLL022-0450	400x400	
BM-TPL43020	20	BK-PLL022-0500	400x400	
BM-TPL43022	22	BK-PLL022-0550	400x400	
BM-TPL44025	25	BK-PLL022-0600	500x500	
BM-TPL44026	26	BK-PLL040-0650	500x500	

BM-TPL44028	28	BK-PLL040-0700	500x500	
BM-TPL44030	30	BK-PLL040-0750	500x500	
BM-TPL44032	32	BK-PLL040-0800	500x500	
BM-TPL44036	36	BK-PLL040-0900	500x500	
BM-TPL44040	40	BK-PLL040-1000	500x500	
BM-TPL45026	26	BK-PLL040-0650	600x600	
BM-TPL45028	28	BK-PLL040-0700	600x600	
BM-TPL45030	30	BK-PLL040-0750	600x600	
BM-TPL45032	32	BK-PLL040-0800	600x600	
BM-TPL45036	36	BK-PLL040-0900	600x600	
BM-TPL45040	40	BK-PLL040-1000	600x600	
BM-TPL41012	12	BK-PUL018A-0450Ad	200x200	
BM-TPL42013	13	BK-PUL018A-0450Ad	300x300	
BM-TPL42015	15	BK-PUL018A-0450Ad	300x300	
BM-TPL42018	18	BK-PUL018A-0450Ad	300x300	
BM-TPL43016	16	BK-PUL018A-0450Ad	400x400	
BM-TPL43018	18	BK-PUL018A-0450Ad	400x400	
BM-TPL43020	20	BK-PUL018A-0450Ad	400x400	
BM-TPL43022	22	BK-PUL030A-0700Ad	400x400	
BM-TPL44025	25	BK-PUL030A-0700Ad	500x500	
BM-TPL44026	26	BK-PUL030A-0700Ad	500x500	
BM-TPL44028	28	BK-PUL030A-0700Ad	500x500	
BM-TPL44030	30	BK-PUL042A-1100Ad	500x500	
BM-TPL44032	32	BK-PUL042A-1100Ad	500x500	
BM-TPL44036	36	BK-PUL042A-1100Ad	500x500	
BM-TPL44040	40	BK-PUL042A-1100Ad	500x500	
BM-TPL45026	26	BK-PUL030A-0700Ad	600x600	
BM-TPL45028	28	BK-PUL030A-0700Ad	600x600	
BM-TPL45030	30	BK-PUL042A-1100Ad	600x600	
BM-TPL45032	32	BK-PUL042A-1100Ad	600x600	
BM-TPL45036	36	BK-PUL042A-1100Ad	600x600	
BM-TPL45040	40	BK-PUL042A-1100Ad	600x600	
BM-TPL41012	12	DL-12W300-LEF	200x200	
BM-TPL42013	13	DL-12W300-LEF	300x300	
BM-TPL42015	15	DL-20W450-LEF	300x300	
BM-TPL42018	18	DL-20W450-LEF	300x300	
BM-TPL43016	16	DL-20W450-LEF	400x400	
BM-TPL43018	18	DL-20W450-LEF	400x400	
BM-TPL43020	20	DL-20W450-LEF	400x400	
BM-TPL43022	22	DL-20W450-LEF	400x400	
BM-TPL44025	25	DL-20W600-LEF	500x500	
BM-TPL44026	26	DL-30W600-LEF	500x500	

BM-TPL44028	28	DL-30W700-LEF	500x500	
BM-TPL44030	30	DL-40W750-LEF	500x500	
BM-TPL44032	32	DL-40W800-LEF	500x500	
BM-TPL44036	36	DL-40W900-LEF	500x500	
BM-TPL44040	40	DL-40W1A0-LEF	500x500	
BM-TPL45026	26	DL-30W600-LEF	600x600	
BM-TPL45028	28	DL-30W700-LEF	600x600	
BM-TPL45030	30	DL-40W750-LEF	600x600	
BM-TPL45032	32	DL-40W800-LEF	600x600	
BM-TPL45036	36	DL-40W900-LEF	600x600	
BM-TPL45040	40	DL-40W1A0-LEF	600x600	
BM-TPL41012	12	LD013BC030W89ADA002	200x200	
BM-TPL42013	13	LD013BC030W89ADA002	300x300	
BM-TPL42015	15	LD015BC035W89ADA002	300x300	
BM-TPL42018	18	LD019BC045W89ADA002	300x300	
BM-TPL43016	16	LD019BC045W89ADA002	400x400	
BM-TPL43018	18	LD019BC045W89ADA002	400x400	
BM-TPL43020	20	LD021BC050W89ADA002	400x400	
BM-TPL43022	22	LD023BC055W89ADA002	400x400	
BM-TPL44025	25	LD025BC060W89ADA002	500x500	
BM-TPL44026	26	LD025BC065W89ADA002	500x500	
BM-TPL44028	28	LD030BC070W89ADA002	500x500	
BM-TPL44030	30	LD030BC075W89ADA002	500x500	
BM-TPL44032	32	LD032BC080W89ADA002	500x500	
BM-TPL44036	36	LD040BC090W89ADA002	500x500	
BM-TPL44040	40	LD042BC100W89ADA002	500x500	
BM-TPL45026	26	LD025BC065W89ADA002	600x600	
BM-TPL45028	28	LD030BC070W89ADA002	600x600	
BM-TPL45030	30	LD030BC075W89ADA002	600x600	
BM-TPL45032	32	LD032BC080W89ADA002	600x600	
BM-TPL45036	36	LD040BC090W89ADA002	600x600	
BM-TPL45040	40	LD042BC100W89ADA002	600x600	
BM-TPL43020	20	LC 21/500/42 fixC SR ADV2	400x400	
BM-TPL44025	25	LC 25/600/42 fixC SR ADV2	500x500	
BM-TPL44028	28	LC 30/700/42 fixC SR ADV2	500x500	
BM-TPL44032	32	LC 35/800/44 fixC SR ADV2	500x500	
BM-TPL44036	36	LC 38/900/42 fixC SR ADV2	500x500	
BM-TPL44042	42	LC 44/1050/42 fixC SR ADV2	500x500	
BM-TPL45028	28	LC 30/700/42 fixC SR ADV2	600x600	
BM-TPL45032	32	LC 35/800/44 fixC SR ADV2	600x600	
BM-TPL45036	36	LC 38/900/42 fixC SR ADV2	600x600	
BM-TPL45042	42	LC 44/1050/42 fixC SR ADV2	600x600	

BM-TPL67015	15	TGPC-IH25-42-B1-0350	300×200	
BM-TPL67018	18	TGPC-IH25-42-B1-0450	300×200	
BM-TPL67016	16	TGPC-IH25-42-B1-0400	400×240	
BM-TPL67018	18	TGPC-IH25-42-B1-0450	400×240	
BM-TPL67020	20	TGPC-IH25-42-B1-0500	400×240	
BM-TPL67022	22	TGPC-IH25-42-B1-0550	400×240	
BM-TPL67025	25	TGPC-IH25-42-B1-0600	500×360	
BM-TPL67026	26	TGPC-IH25-42-B1-0600	500×360	
BM-TPL67028	28	TGPC-IH25-42-B1-0700	500×360	
BM-TPL67030	30	TGPC-IH40-42-B1-0750	500×360	
BM-TPL67032	32	TGPC-IH40-42-B1-0800	500×360	
BM-TPL67036	36	TGPC-IH40-42-B1-0850	500×360	
BM-TPL67040	40	TGPC-IH40-42-B1-0950	500×360	
BM-TPL68026	26	TGPC-IH25-42-B1-0600	600×380	
BM-TPL68028	28	TGPC-IH25-42-B1-0700	600×380	
BM-TPL68030	30	TGPC-IH40-42-B1-0750	600×380	
BM-TPL68032	32	TGPC-IH40-42-B1-0800	600×380	
BM-TPL68036	36	TGPC-IH40-42-B1-0850	600×380	
BM-TPL68040	40	TGPC-IH40-42-B1-0950	600×380	
BM-TPL67015	15	BK-BEL030-0350	300*200	
BM-TPL67018	18	BK-BEL030-0450	300*200	
BM-TPL67020	20	BK-BEL030-0500	400*240	
BM-TPL67025	25	BK-BEL030-0600	500×360	
BM-TPL67026	26	BK-BEL030-0650	500×360	
BM-TPL67028	28	BK-BEL030-0700	500×360	
BM-TPL67030	30	BK-BEL030-0750	500×360	
BM-TPL67032	32	BK-BEL042-0800	500×360	
BM-TPL67036	36	BK-BEL042-0900	500×360	
BM-TPL67040	40	BK-BEL042-1000	500×360	
BM-TPL68026	26	BK-BEL030-0650	600×380	
BM-TPL68028	28	BK-BEL030-0700	600×380	
BM-TPL68030	30	BK-BEL030-0750	600×380	
BM-TPL68032	32	BK-BEL042-0800	600×380	
BM-TPL68036	36	BK-BEL042-0900	600×380	
BM-TPL68040	40	BK-BEL042-1000	600×380	
BM-TPL67015	15	BK-PLL016-0350	300*200	
BM-TPL67018	18	BK-PLL022-0450	300*200	
BM-TPL67020	20	BK-PLL022-0500	400*240	
BM-TPL67025	25	BK-PLL022-0600	500*360	

BM-TPL67026	26	BK-PLL040-0650	500×360	
BM-TPL67028	28	BK-PLL040-0700	500×360	
BM-TPL67030	30	BK-PLL040-0750	500×360	
BM-TPL67032	32	BK-PLL040-0800	500×360	
BM-TPL67036	36	BK-PLL040-0900	500×360	
BM-TPL67040	40	BK-PLL040-1000	500×360	
BM-TPL68026	26	BK-PLL040-0650	600×380	
BM-TPL68028	28	BK-PLL040-0700	600×380	
BM-TPL68030	30	BK-PLL040-0750	600×380	
BM-TPL68032	32	BK-PLL040-0800	600×380	
BM-TPL68036	36	BK-PLL040-0900	600×380	
BM-TPL68040	40	BK-PLL040-1000	600×380	
BM-TPL67015	15	BK-PUL018A-0450Ad	300*200	
BM-TPL67018	18	BK-PUL018A-0450Ad	300*200	
BM-TPL67020	20	BK-PUL018A-0450Ad	400*240	
BM-TPL67025	25	BK-PUL030A-0700Ad	500*360	
BM-TPL67026	26	BK-PUL030A-0700Ad	500×360	
BM-TPL67028	28	BK-PUL030A-0700Ad	500×360	
BM-TPL67030	30	BK-PUL042A-1100Ad	500×360	
BM-TPL67032	32	BK-PUL042A-1100Ad	500×360	
BM-TPL67036	36	BK-PUL042A-1100Ad	500×360	
BM-TPL67040	40	BK-PUL042A-1100Ad	500×360	
BM-TPL68026	26	BK-PUL030A-0700Ad	600×380	
BM-TPL68028	28	BK-PUL030A-0700Ad	600×380	
BM-TPL68030	30	BK-PUL042A-1100Ad	600×380	
BM-TPL68032	32	BK-PUL042A-1100Ad	600×380	
BM-TPL68036	36	BK-PUL042A-1100Ad	600×380	
BM-TPL68040	40	BK-PUL042A-1100Ad	600×380	
BM-TPL67015	15	DL-20W450-LEF	300*200	
BM-TPL67018	18	DL-20W450-LEF	300*200	
BM-TPL67020	20	DL-20W450-LEF	400*240	
BM-TPL67025	25	DL-20W600-LEF	500*360	
BM-TPL67026	26	DL-30W600-LEF	500×360	
BM-TPL67028	28	DL-30W700-LEF	500×360	
BM-TPL67030	30	DL-40W750-LEF	500×360	
BM-TPL67032	32	DL-40W800-LEF	500×360	
BM-TPL67036	36	DL-40W900-LEF	500×360	
BM-TPL67040	40	DL-40W1A0-LEF	500×360	
BM-TPL68026	26	DL-30W600-LEF	600×380	

BM-TPL68028	28	DL-30W700-LEF	600×380	
BM-TPL68030	30	DL-40W750-LEF	600×380	
BM-TPL68032	32	DL-40W800-LEF	600×380	
BM-TPL68036	36	DL-40W900-LEF	600×380	
BM-TPL68040	40	DL-40W1A0-LEF	600×380	
BM-TPL67015	15	LD015BC035W89ADA002	300*200	
BM-TPL67018	18	LD019BC045W89ADA002	300*200	
BM-TPL67020	20	LD021BC050W89ADA002	400*240	
BM-TPL67025	25	LD025BC060W89ADA002	500*360	
BM-TPL67026	26	LD025BC065W89ADA002	500×360	
BM-TPL67028	28	LD030BC070W89ADA002	500×360	
BM-TPL67030	30	LD030BC075W89ADA002	500×360	
BM-TPL67032	32	LD032BC080W89ADA002	500×360	
BM-TPL67036	36	LD040BC090W89ADA002	500×360	
BM-TPL67040	40	LD042BC100W89ADA002	500×360	
BM-TPL68026	26	LD025BC065W89ADA002	600×380	
BM-TPL68028	28	LD030BC070W89ADA002	600×380	
BM-TPL68030	30	LD030BC075W89ADA002	600×380	
BM-TPL68032	32	LD032BC080W89ADA002	600×380	
BM-TPL68036	36	LD040BC090W89ADA002	600×380	
BM-TPL68040	40	LD042BC100W89ADA002	600×380	
BM-TPL67020	20	LC 21/500/42 fixC SR ADV2	400*240	
BM-TPL67025	25	LC 25/600/42 fixC SR ADV2	500×360	
BM-TPL67028	28	LC 30/700/42 fixC SR ADV2	500×360	
BM-TPL67032	32	LC 35/800/44 fixC SR ADV2	500×360	
BM-TPL67036	36	LC 38/900/42 fixC SR ADV2	500×360	
BM-TPL67042	42	LC 44/1050/42 fixC SR ADV2	500×360	
BM-TPL68028	28	LC 30/700/42 fixC SR ADV2	600×380	
BM-TPL68032	32	LC 35/800/44 fixC SR ADV2	600×380	
BM-TPL68036	36	LC 38/900/42 fixC SR ADV2	600×380	
BM-TPL68042	42	LC 44/1050/42 fixC SR ADV2	600×380	

BM-TPL69012	12	TGPC-IH25-42-B1-0300	Φ200	
BM-TPL69015	15	TGPC-IH25-42-B1-0350	Φ300	
BM-TPL69018	18	TGPC-IH25-42-B1-0450	Φ340	
BM-TPL69020	20	TGPC-IH25-42-B1-0500	Φ400	
BM-TPL69022	22	TGPC-IH25-42-B1-0550	Φ400	
BM-TPL69025	25	TGPC-IH25-42-B1-0600	Φ500	
BM-TPL69026	26	TGPC-IH25-42-B1-0600	Φ600	
BM-TPL69028	28	TGPC-IH25-42-B1-0700	Φ600	
BM-TPL69030	30	TGPC-IH40-42-B1-0750	Φ600	
BM-TPL69032	32	TGPC-IH40-42-B1-0800	Φ600	
BM-TPL69036	36	TGPC-IH40-42-B1-0850	Φ600	
BM-TPL69040	40	TGPC-IH40-42-B1-0950	Φ600	
BM-TPL69012	12	BK-BEL030-0300	Φ200	
BM-TPL69015	15	BK-BEL030-0350	Φ300	
BM-TPL69018	18	BK-BEL030-0450	Φ340	
BM-TPL69020	20	BK-BEL030-0500	Φ400	
BM-TPL69022	22	BK-BEL030-0550	Φ400	
BM-TPL69025	25	BK-BEL030-0600	Φ500	
BM-TPL69026	26	BK-BEL030-0650	Φ600	
BM-TPL69028	28	BK-BEL030-0700	Φ600	
BM-TPL69030	30	BK-BEL030-0750	Φ600	
BM-TPL69032	32	BK-BEL042-0800	Φ600	
BM-TPL69036	36	BK-BEL042-0900	Φ600	
BM-TPL69040	40	BK-BEL042-1000	Φ600	
BM-TPL69012	12	BK-PLL016-0300	Φ200	
BM-TPL69015	15	BK-PLL016-0350	Φ300	
BM-TPL69018	18	BK-PLL022-0450	Φ340	
BM-TPL69020	20	BK-PLL022-0500	Φ400	
BM-TPL69022	22	BK-PLL022-0550	Φ400	
BM-TPL69025	25	BK-PLL022-0600	Φ500	
BM-TPL69026	26	BK-PLL040-0650	Φ600	
BM-TPL69028	28	BK-PLL040-0700	Φ600	
BM-TPL69030	30	BK-PLL040-0750	Φ600	
BM-TPL69032	32	BK-PLL040-0800	Φ600	
BM-TPL69036	36	BK-PLL040-0900	Φ600	
BM-TPL69040	40	BK-PLL040-1000	Φ600	
BM-TPL69012	12	BK-PUL018A-0450Ad	Φ200	
BM-TPL69015	15	BK-PUL018A-0450Ad	Φ300	
BM-TPL69018	18	BK-PUL018A-0450Ad	Φ340	
BM-TPL69020	20	BK-PUL018A-0450Ad	Φ400	
BM-TPL69022	22	BK-PUL030A-0700Ad	Φ400	
BM-TPL69025	25	BK-PUL030A-0700Ad	Φ500	

BM-TPL69026	26	BK-PUL030A-0700Ad	Φ600	
BM-TPL69028	28	BK-PUL030A-0700Ad	Φ600	
BM-TPL69030	30	BK-PUL042A-1100Ad	Φ600	
BM-TPL69032	32	BK-PUL042A-1100Ad	Φ600	
BM-TPL69036	36	BK-PUL042A-1100Ad	Φ600	
BM-TPL69040	40	BK-PUL042A-1100Ad	Φ600	
BM-TPL69012	12	DL-12W300-LEF	Φ200	
BM-TPL69015	15	DL-20W450-LEF	Φ300	
BM-TPL69018	18	DL-20W450-LEF	Φ340	
BM-TPL69012	12	DL-12W300-LEF	Φ200	
BM-TPL69015	15	DL-20W450-LEF	Φ300	
BM-TPL69018	18	DL-20W450-LEF	Φ340	
BM-TPL69020	20	DL-20W450-LEF	Φ400	
BM-TPL69022	22	DL-20W450-LEF	Φ400	
BM-TPL69025	25	DL-20W600-LEF	Φ500	
BM-TPL69026	26	DL-30W600-LEF	Φ600	
BM-TPL69028	28	DL-30W700-LEF	Φ600	
BM-TPL69030	30	DL-40W750-LEF	Φ600	
BM-TPL69032	32	DL-40W800-LEF	Φ600	
BM-TPL69036	36	DL-40W900-LEF	Φ600	
BM-TPL69040	40	DL-40W1A0-LEF	Φ600	
BM-TPL69012	12	LD013BC030W89ADA002	Φ200	
BM-TPL69015	15	LD015BC035W89ADA002	Φ300	
BM-TPL69018	18	LD019BC045W89ADA002	Φ340	
BM-TPL69020	20	LD021BC050W89ADA002	Φ400	
BM-TPL69022	22	LD023BC055W89ADA002	Φ400	
BM-TPL69025	25	LD025BC060W89ADA002	Φ500	
BM-TPL69026	26	LD025BC065W89ADA002	Φ600	
BM-TPL69028	28	LD030BC070W89ADA002	Φ600	
BM-TPL69030	30	LD030BC075W89ADA002	Φ600	
BM-TPL69032	32	LD032BC080W89ADA002	Φ600	
BM-TPL69036	36	LD040BC090W89ADA002	Φ600	
BM-TPL69040	40	LD042BC100W89ADA002	Φ600	
BM-TPL69020	20	LC 21/500/42 fixC SR ADV2	Φ400	
BM-TPL69025	25	LC 25/600/42 fixC SR ADV2	Φ500	
BM-TPL69028	28	LC 30/700/42 fixC SR ADV2	Φ600	
BM-TPL69032	32	LC 35/800/44 fixC SR ADV2	Φ600	
BM-TPL69036	36	LC 38/900/42 fixC SR ADV2	Φ600	
BM-TPL69042	42	LC 44/1050/42 fixC SR ADV2	Φ600	
BM-TPL70012	12	TGPC-IH25-42-B1-0300	200×200	
BM-TPL70015	15	TGPC-IH25-42-B1-0350	300×300	

BM-TPL70018	18	TGPC-IH25-42-B1-0450	300×300	
BM-TPL70020	20	TGPC-IH25-42-B1-0500	400×400	
BM-TPL70022	22	TGPC-IH25-42-B1-0550	400×400	
BM-TPL70025	25	TGPC-IH25-42-B1-0600	500×500	
BM-TPL70026	26	TGPC-IH25-42-B1-0600	600×600	
BM-TPL70028	28	TGPC-IH25-42-B1-0700	600×600	
BM-TPL70030	30	TGPC-IH40-42-B1-0750	600×600	
BM-TPL70032	32	TGPC-IH40-42-B1-0800	600×600	
BM-TPL70036	36	TGPC-IH40-42-B1-0850	600×600	
BM-TPL70040	40	TGPC-IH40-42-B1-0950	600×600	
BM-TPL70012	12	BK-BEL030-0300	200*200	
BM-TPL70015	15	BK-BEL030-0350	300*300	
BM-TPL70018	18	BK-BEL030-0450	300*300	
BM-TPL70020	20	BK-BEL030-0500	400*400	
BM-TPL70022	22	BK-BEL030-0550	400*400	
BM-TPL70025	25	BK-BEL030-0600	500*500	
BM-TPL70026	26	BK-BEL030-0650	600*600	
BM-TPL70028	28	BK-BEL030-0700	600*600	
BM-TPL70030	30	BK-BEL030-0750	600*600	
BM-TPL70032	32	BK-BEL042-0800	600*600	
BM-TPL70036	36	BK-BEL042-0900	600*600	
BM-TPL70040	40	BK-BEL042-1000	600*600	
BM-TPL70012	12	BK-PLL016-0300	200*200	
BM-TPL70015	15	BK-PLL016-0350	300*300	
BM-TPL70018	18	BK-PLL022-0450	300*300	
BM-TPL70020	20	BK-PLL022-0500	400*400	
BM-TPL70022	22	BK-PLL022-0550	400*400	
BM-TPL70025	25	BK-PLL022-0600	500*500	
BM-TPL70026	26	BK-PLL040-0650	600*600	
BM-TPL70028	28	BK-PLL040-0700	600*600	
BM-TPL70030	30	BK-PLL040-0750	600*600	
BM-TPL70032	32	BK-PLL040-0800	600*600	
BM-TPL70036	36	BK-PLL040-0900	600*600	
BM-TPL70040	40	BK-PLL040-1000	600*600	
BM-TPL70012	12	BK-PUL018A-0450Ad	200*200	
BM-TPL70015	15	BK-PUL018A-0450Ad	300*300	
BM-TPL70018	18	BK-PUL018A-0450Ad	300*300	
BM-TPL70020	20	BK-PUL018A-0450Ad	400*400	
BM-TPL70022	22	BK-PUL030A-0700Ad	400*400	
BM-TPL70025	25	BK-PUL030A-0700Ad	500*500	
BM-TPL70026	26	BK-PUL030A-0700Ad	600*600	

BM-TPL70028	28	BK-PUL030A-0700Ad	600*600	
BM-TPL70030	30	BK-PUL042A-1100Ad	600*600	
BM-TPL70032	32	BK-PUL042A-1100Ad	600*600	
BM-TPL70036	36	BK-PUL042A-1100Ad	600*600	
BM-TPL70040	40	BK-PUL042A-1100Ad	600*600	
BM-TPL70012	12	DL-12W300-LEF	200*200	
BM-TPL70015	15	DL-20W450-LEF	300*300	
BM-TPL70018	18	DL-20W450-LEF	300*300	
BM-TPL70020	20	DL-20W450-LEF	400*400	
BM-TPL70022	22	DL-20W450-LEF	400*400	
BM-TPL70025	25	DL-20W600-LEF	500*500	
BM-TPL70026	26	DL-30W600-LEF	600*600	
BM-TPL70028	28	DL-30W700-LEF	600*600	
BM-TPL70030	30	DL-40W750-LEF	600*600	
BM-TPL70032	32	DL-40W800-LEF	600*600	
BM-TPL70036	36	DL-40W900-LEF	600*600	
BM-TPL70040	40	DL-40W1A0-LEF	600*600	
BM-TPL70012	12	LD013BC030W89ADA002	200*200	
BM-TPL70015	15	LD015BC035W89ADA002	300*300	
BM-TPL70018	18	LD019BC045W89ADA002	300*300	
BM-TPL70020	20	LD021BC050W89ADA002	400*400	
BM-TPL70022	22	LD023BC055W89ADA002	400*400	
BM-TPL70025	25	LD025BC060W89ADA002	500*500	
BM-TPL70026	26	LD025BC065W89ADA002	600*600	
BM-TPL70028	28	LD030BC070W89ADA002	600*600	
BM-TPL70030	30	LD030BC075W89ADA002	600*600	
BM-TPL70032	32	LD032BC080W89ADA002	600*600	
BM-TPL70036	36	LD040BC090W89ADA002	600*600	
BM-TPL70040	40	LD042BC100W89ADA002	600*600	
BM-TPL70020	20	LC 21/500/42 fixC SR ADV2	400*400	
BM-TPL70025	25	LC 25/600/42 fixC SR ADV2	500*500	
BM-TPL70028	28	LC 30/700/42 fixC SR ADV2	600*600	
BM-TPL70032	32	LC 35/800/44 fixC SR ADV2	600*600	
BM-TPL70036	36	LC 38/900/42 fixC SR ADV2	600*600	
BM-TPL70042	42	LC 44/1050/42 fixC SR ADV2	600*600	

BM-TPL22012	12	TGPC-IH25-42-B1-0300	300×600	
BM-TPL22015	15	TGPC-IH25-42-B1-0350	300×600	
BM-TPL22018	18	TGPC-IH25-42-B1-0450	300×600	
BM-TPL22020	20	TGPC-IH25-42-B1-0500	300×600	
BM-TPL22022	22	TGPC-IH25-42-B1-0550	300×600	
BM-TPL22025	25	TGPC-IH25-42-B1-0600	300×600	
BM-TPL24012	12	TGPC-IH25-42-B1-0300	300×1200	
BM-TPL24015	15	TGPC-IH25-42-B1-0350	300×1200	
BM-TPL24018	18	TGPC-IH25-42-B1-0450	300×1200	
BM-TPL24020	20	TGPC-IH25-42-B1-0500	300×1200	
BM-TPL24022	22	TGPC-IH25-42-B1-0550	300×1200	
BM-TPL24025	25	TGPC-IH25-42-B1-0600	300×1200	
BM-TPL24030	30	TGPC-IH40-42-B1-0750	300×1200	
BM-TPL24032	32	TGPC-IH40-42-B1-0800	300×1200	
BM-TPL24036.	36	TGPC-IH40-42-B1-0850	300×1200	
BM-TPL24040	40	TGPC-IH40-42-B1-0950	300×1200	
BM-TPL24045	45	TGPC-IH46-42-B1-1100	300×1200	
BM-TPL22012	12	BK-BEL030-0300	300*600	
BM-TPL22015	15	BK-BEL030-0350	300*600	
BM-TPL22018	18	BK-BEL030-0450	300*600	
BM-TPL22020	20	BK-BEL030-0500	300*600	
BM-TPL22022	22	BK-BEL030-0550	300*600	
BM-TPL22025	25	BK-BEL030-0600	300*600	
BM-TPL24012	12	BK-BEL030-0300	300*1200	
BM-TPL24015	15	BK-BEL030-0350	300*1200	
BM-TPL24018	18	BK-BEL030-0450	300*1200	
BM-TPL24020	20	BK-BEL030-0500	300*1200	
BM-TPL24022	22	BK-BEL030-0550	300*1200	
BM-TPL24025	25	BK-BEL030-0600	300*1200	
BM-TPL24030	30	BK-BEL030-0750	300*1200	
BM-TPL24032	32	BK-BEL042-0800	300*1200	
BM-TPL24036.	36	BK-BEL042-0900	300*1200	
BM-TPL24040	40	BK-BEL042-1000	300*1200	
BM-TPL22012	12	BK-PLL016-0300	300*600	
BM-TPL22015	15	BK-PLL016-0350	300*600	
BM-TPL22018	18	BK-PLL022-0450	300*600	
BM-TPL22020	20	BK-PLL022-0500	300*600	
BM-TPL22022	22	BK-PLL022-0550	300*600	
BM-TPL22025	25	BK-PLL022-0600	300*600	
BM-TPL24012	12	BK-PLL016-0300	300*1200	

BM-TPL24015	15	BK-PLL016-0350	300*1200	
BM-TPL24018	18	BK-PLL022-0450	300*1200	
BM-TPL24020	20	BK-PLL022-0500	300*1200	
BM-TPL24022	22	BK-PLL022-0550	300*1200	
BM-TPL24025	25	BK-PLL022-0600	300*1200	
BM-TPL24030	30	BK-PLL040-0750	300*1200	
BM-TPL24032	32	BK-PLL040-0800	300*1200	
BM-TPL24036.	36	BK-PLL040-0900	300*1200	
BM-TPL24040	40	BK-PLL040-1000	300*1200	
BM-TPL24045	45	BK-PLL042-1100	300*1200	
BM-TPL24050	50	BK-PLL056-1250	300*1200	
BM-TPL24060	60	BK-PLL056-1400	300*1200	
BM-TPL22012	12	BK-PUL018A-0450Ad	300*600	
BM-TPL22015	15	BK-PUL018A-0450Ad	300*600	
BM-TPL22018	18	BK-PUL018A-0450Ad	300*600	
BM-TPL22020	20	BK-PUL018A-0450Ad	300*600	
BM-TPL22022	22	BK-PUL030A-0700Ad	300*600	
BM-TPL22025	25	BK-PUL030A-0700Ad	300*600	
BM-TPL24012	12	BK-PUL018A-0450Ad	300*1200	
BM-TPL24015	15	BK-PUL018A-0450Ad	300*1200	
BM-TPL24018	18	BK-PUL018A-0450Ad	300*1200	
BM-TPL24020	20	BK-PUL018A-0450Ad	300*1200	
BM-TPL24022	22	BK-PUL030A-0700Ad	300*1200	
BM-TPL24025	25	BK-PUL030A-0700Ad	300*1200	
BM-TPL24030	30	BK-PUL042A-1100Ad	300*1200	
BM-TPL24032	32	BK-PUL042A-1100Ad	300*1200	
BM-TPL24036.	36	BK-PUL042A-1100Ad	300*1200	
BM-TPL24040	40	BK-PUL042A-1100Ad	300*1200	
BM-TPL24045	45	BK-PUL042A-1100Ad	300*1200	
BM-TPL24050	50	BK-PUL060A-2000Ad	300*1200	
BM-TPL24060	60	BK-PUL060A-2000Ad	300*1200	
BM-TPL22012	12	DL-12W300-LEF	300*600	
BM-TPL22015	15	DL-20W450-LEF	300*600	
BM-TPL22018	18	DL-20W450-LEF	300*600	
BM-TPL22020	20	DL-20W450-LEF	300*600	
BM-TPL22022	22	DL-20W450-LEF	300*600	
BM-TPL22025	25	DL-20W600-LEF	300*600	
BM-TPL24012	12	DL-12W300-LEF	300*1200	
BM-TPL24015	15	DL-20W450-LEF	300*1200	
BM-TPL24018	18	DL-20W450-LEF	300*1200	
BM-TPL24020	20	DL-20W450-LEF	300*1200	
BM-TPL24022	22	DL-20W450-LEF	300*1200	

BM-TPL24025	25	DL-20W600-LEF	300*1200	
BM-TPL24030	30	DL-40W750-LEF	300*1200	
BM-TPL24032	32	DL-40W800-LEF	300*1200	
BM-TPL24036.	36	DL-40W900-LEF	300*1200	
BM-TPL24040	40	DL-40W1A0-LEF	300*1200	
BM-TPL24045	45	DL-50W1A1-LEF	300*1200	
BM-TPL24050	50	DL-50W1A2-LEF	300*1200	
BM-TPL22012	12	LD013BC030W89ADA002	300*600	
BM-TPL22015	15	LD015BC035W89ADA002	300*600	
BM-TPL22018	18	LD019BC045W89ADA002	300*600	
BM-TPL22020	20	LD021BC050W89ADA002	300*600	
BM-TPL22022	22	LD023BC055W89ADA002	300*600	
BM-TPL22025	25	LD025BC060W89ADA002	300*600	
BM-TPL24012	12	LD013BC030W89ADA002	300*1200	
BM-TPL24015	15	LD015BC035W89ADA002	300*1200	
BM-TPL24018	18	LD019BC045W89ADA002	300*1200	
BM-TPL24020	20	LD021BC050W89ADA002	300*1200	
BM-TPL24022	22	LD023BC055W89ADA002	300*1200	
BM-TPL24025	25	LD025BC060W89ADA002	300*1200	
BM-TPL24030	30	LD030BC075W89ADA002	300*1200	
BM-TPL24032	32	LD032BC080W89ADA002	300*1200	
BM-TPL24036.	36	LD040BC090W89ADA002	300*1200	
BM-TPL24040	40	LD042BC100W89ADA002	300*1200	
BM-TPL22020	20	LC 21/500/42 fixC SR ADV2	300*600	
BM-TPL22025	25	LC 25/600/42 fixC SR ADV2	300*600	
BM-TPL24020	20	LC 21/500/42 fixC SR ADV2	300*1200	
BM-TPL24025	25	LC 25/600/42 fixC SR ADV2	300*1200	
BM-TPL24032	32	LC 35/800/44 fixC SR ADV2	300*1200	
BM-TPL24036.	36	LC 38/900/42 fixC SR ADV2	300*1200	
BM-TPL24042	42	LC 44/1050/42 fixC SR ADV2	300*1200	

BM-FPL71024	24	TGPC-IH25-42-B1-0550	595×595	
BM-FPL71026	26	TGPC-IH25-42-B1-0600	595×595	
BM-FPL71028	28	TGPC-IH25-42-B1-070	595×595	
BM-FPL71030	30	TGPC-IH25-42-B1-0750	595×595	
BM-FPL71032	32	TGPC-IH25-42-B1-0800	595×595	
BM-FPL71036	36	TGPC-IH25-42-B1-0850	595×595	
BM-FPL71040	40	TGPC-IH25-42-B1-0950	595×595	
BM-FPL71042	42	TGPC-IH46-42-B1-1050	595×595	
BM-FPL71045	45	TGPC-IH46-42-B1-1100	595×595	
BM-FPL72030	30	TGPC-IH25-42-B1-0750	295×1195	
BM-FPL72032	32	TGPC-IH25-42-B1-0800	295×1195	
BM-FPL72036	36	TGPC-IH25-42-B1-0850	295×1195	
BM-FPL72040	40	TGPC-IH25-42-B1-0950	295×1195	
BM-FPL72042	42	TGPC-IH46-42-B1-1050	295×1195	
BM-FPL72045	45	TGPC-IH46-42-B1-1100	295×1195	
BM-FPL71024	24	BK-BEL030-0600	595x595	
BM-FPL71026	26	BK-BEL030-0650	595x595	
BM-FPL71028	28	BK-BEL030-0700	595x595	
BM-FPL71030	30	BK-BEL030-0750	595*595	
BM-FPL71032	32	BK-BEL042-0800	595*595	
BM-FPL71036	36	BK-BEL042-0900	595*595	
BM-FPL71040	40	BK-BEL042-1000	595*595	
BM-FPL71042	42	BK-BEL042-1050	595*595	
BM-FPL72030	30	BK-BEL030-0750	295*1195	
BM-FPL72032	32	BK-BEL042-0800	295*1195	
BM-FPL72036	*36*	BK-BEL042-0900	295*1195	
BM-FPL72040	*40*	BK-BEL042-1000	295*1195	
BM-FPL72042	*42*	BK-BEL042-1050	295*1195	
BM-FPL71024	24	BK-PLL022-0600	595x595	
BM-FPL71026	26	BK-PLL040-0650	595x595	
BM-FPL71028	28	BK-PLL040-0700	595x595	
BM-FPL71030	30	BK-PLL040-0750	595*595	
BM-FPL71032	32	BK-PLL040-0800	595*595	
BM-FPL71036	36	BK-PLL040-0900	595*595	
BM-FPL71040	40	BK-PLL040-1000	595*595	
BM-FPL71042	42	BK-PLL042-1050	595*595	
BM-FPL71045	45	BK-PLL042-1100	595*595	
BM-FPL71048	48	BK-PLL056-1200	595*595	
BM-FPL72030	30	BK-PLL040-0750	295*1195	
BM-FPL72032	32	BK-PLL040-0800	295*1195	

BM-FPL72036	*36*	BK-PLL040-0900	295*1195	
BM-FPL72040	*40*	BK-PLL040-1000	295*1195	
BM-FPL72042	*42*	BK-PLL042-1050	295*1195	
BM-FPL72045	*45*	BK-PLL042-1100	295*1195	
BM-FPL72048	*48*	BK-PLL056-1200	295*1195	
BM-FPL72050	*50*	BK-PLL056-1250	295*1195	
BM-FPL72054	*54*	BK-PLL056-1350	295*1195	
BM-FPL72060	*60*	BK-PLL056-1400	295*1195	
BM-FPL71024	24	BK-PUL030A-0700Ad	595x595	
BM-FPL71026	26	BK-PUL030A-0700Ad	595x595	
BM-FPL71028	28	BK-PUL030A-0700Ad	595x595	
BM-FPL71030	30	BK-PUL042A-1100Ad	595*595	
BM-FPL71032	32	BK-PUL042A-1100Ad	595*595	
BM-FPL71036	36	BK-PUL042A-1100Ad	595*595	
BM-FPL71040	40	BK-PUL042A-1100Ad	595*595	
BM-FPL71042	42	BK-PUL042A-1100Ad	595*595	
BM-FPL71045	45	BK-PUL042A-1100Ad	595*595	
BM-FPL71048	48	BK-PUL060A-2000Ad	595*595	
BM-FPL72030	30	BK-PUL042A-1100Ad	295*1195	
BM-FPL72032	32	BK-PUL042A-1100Ad	295*1195	
BM-FPL72036	*36*	BK-PUL042A-1100Ad	295*1195	
BM-FPL72040	*40*	BK-PUL042A-1100Ad	295*1195	
BM-FPL72042	*42*	BK-PUL042A-1100Ad	295*1195	
BM-FPL72045	*45*	BK-PUL042A-1100Ad	295*1195	
BM-FPL72048	*48*	BK-PUL060A-2000Ad	295*1195	
BM-FPL72050	*50*	BK-PUL060A-2000Ad	295*1195	
BM-FPL72054	*54*	BK-PUL060A-2000Ad	295*1195	
BM-FPL72060	*60*	BK-PUL060A-2000Ad	295*1195	
BM-FPL71024	24	DL-20W600-LEF	595x595	
BM-FPL71026	26	DL-30W600-LEF	595x595	
BM-FPL71028	28	DL-30W650-LEF	595x595	
BM-FPL71030	30	DL-40W750-LEF	595*595	
BM-FPL71032	32	DL-40W800-LEF	595*595	
BM-FPL71036	36	DL-40W900-LEF	595*595	
BM-FPL71040	40	DL-40W1A0-LEF	595*595	
BM-FPL71042	42	DL-40W1A05-LEF	595*595	
BM-FPL71045	45	DL-50W1A1-LEF	595*595	
BM-FPL71048	48	DL-50W1A15-LEF	595*595	
BM-FPL72030	30	DL-40W750-LEF	295*1195	
BM-FPL72032	32	DL-40W800-LEF	295*1195	
BM-FPL72036	*36*	DL-40W900-LEF	295*1195	
BM-FPL72040	*40*	DL-40W1A0-LEF	295*1195	

BM-FPL72042	*42*	DL-40W1A05-LEF	295*1195	
BM-FPL72045	*45*	DL-50W1A1-LEF	295*1195	
BM-FPL72048	*48*	DL-50W1A15-LEF	295*1195	
BM-FPL72050	*50*	DL-50W1A2-LEF	295*1195	
BM-FPL72054	*54*	DL-50W1A2-LEF	295*1195	
BM-FPL71024	24	LD025BC060W89ADA002	595x595	
BM-FPL71026	26	LD025BC065W89ADA002	595x595	
BM-FPL71028	28	LD030BC070W89ADA002	595x595	
BM-FPL71030	30	LD030BC075W89ADA002	595*595	
BM-FPL71032	32	LD032BC080W89ADA002	595*595	
BM-FPL71036	36	LD040BC090W89ADA002	595*595	
BM-FPL71040	40	LD042BC100W89ADA002	595*595	
BM-FPL71042	42	LD042BC100W89ADA002	595*595	
BM-FPL72030	30	LD030BC075W89ADA002	295*1195	
BM-FPL72032	32	LD032BC080W89ADA002	295*1195	
BM-FPL72036	*36*	LD040BC090W89ADA002	295*1195	
BM-FPL72040	*40*	LD042BC100W89ADA002	295*1195	
BM-FPL72042	*42*	LD042BC100W89ADA002	295*1195	
BM-FPL71024	24	LC 25/600/42 fixC SR ADV2	595*595	
BM-FPL71028	28	LC 30/700/42 fixC SR ADV2	595*595	
BM-FPL71032	32	LC 35/800/44 fixC SR ADV2	595*595	
BM-FPL71036	36	LC 38/900/42 fixC SR ADV2	595*595	
BM-FPL71042	42	LC 44/1050/42 fixC SR ADV2	595*595	
BM-FPL72032	32	LC 35/800/44 fixC SR ADV2	295*1195	
BM-FPL72036	*36*	LC 38/900/42 fixC SR ADV2	295*1195	
BM-FPL72042	*42*	LC 44/1050/42 fixC SR ADV2	295*1195	

Model: BM-PL-XXXXX series; BM-TPL-XXXXX series; BM-FPL-XXXXX series; BM-BPL-XXXXX series

Position of “X”	Rang of “X”	Means of “X”
1st; 2nd	00; 01; 02; 03; 04; 05; 06; 07; 08; 09; 10	Different diameters of circle
	11,12,13,14,15,16,17,18,19,20	Different sizes of small square panel light
	21，22，23，24，25，26，27，28，29	Different sizes of rectangle
	31，32，33，34，35，36，37，38，39	Different diameters of round transparent panel light
	41.42，43，44，45，46，47，48，49	Different sizes of square transparent panel light
	67，68	Different diameters of oval transparent panel light
	69	Different sizes of octagon transparent panel light
	70	Different sizes of special shaped transparent panel light
	71; 72; 73; 74; 75; 76; 77; 78; 79	Different sizes of frame light
	81，82，83，84，85，86，87，89	Different sizes of back lighting panel light
	91，92，93，94，95，96，97，98，99	Different sizes of waterproof panel light
3rd; 4th; 5th	005~080	Luminaire rated power

Appendix 3: Relative Spectrum Of Tested Sample(s)

BM-TPL24040

BM-FPL72060

BM-FPL71040

Appendix 4: Table 6.1 Based On IEC 62471:2006

DUT: BM-TPL24040, Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

IEC 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	0,003		0,03		
Near UV		E_{UVA}	$W \cdot m^{-2}$	10	0,0000	33		100		
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	1,27E+00	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	1,0*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	4,42E+01	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	6000/α	--	6000/α		6000/α		
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,18	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

DUT: BM-FPL72060 Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

IEC 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	0,003		0,03		
Near UV		E_{UVA}	$W \cdot m^{-2}$	10	0,0000	33		100		
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	4,97E+00	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	1,0*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	2,16E+02	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	6000/α	--	6000/α		6000/α		
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,08	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

DUT: BM-FPL71040 Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

IEC 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	0,003		0,03		
Near UV		E_{UVA}	$W \cdot m^{-2}$	10	0,0000	33		100		
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	2,94E+01	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	1,0*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	1,79E+03	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	6000/α	--	6000/α		6000/α		
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,10	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

Appendix 5: Table 6.1 Based On EN62471:2008, Attachment To IEC 62471 European Group Differences And National Differences

DUT: BM-TPL24040, Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

EN 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	--	--	--	--	
Near UV		E_{UVA}	$W \cdot m^{-2}$	0,33	0,0000	--	--	--	--	
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	1,27E+00	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	0,01*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	4,42E+01	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	545000 0,0017≤ α ≤ 0,011	--					
				6000/α 0,011≤ α ≤ 0,1	--					
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,18	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

NOTE The action functions: see Table 4.1 and Table 4.2
The applicable aperture diameters: see 4.2.1
The limitations for the angular subtenses: see 4.2.2
The related measurement condition 5.2.3 and the range of acceptance angles: see Table 5.5.

DUT: BM-FPL72060, Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

EN 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	--	--	--	--	
Near UV		E_{UVA}	$W \cdot m^{-2}$	0,33	0,0000	--	--	--	--	
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	4,97E+00	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	0,01*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	2,16E+02	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	545000 0,0017≤ α ≤ 0,011	--					
				6000/α 0,011≤ α ≤ 0,1	--					
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,08	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

NOTE The action functions: see Table 4.1 and Table 4.2
The applicable aperture diameters: see 4.2.1
The limitations for the angular subtenses: see 4.2.2
The related measurement condition 5.2.3 and the range of acceptance angles: see Table 5.5.

DUT: BM-FPL71040, Evaluation Distance: 200mm, Angular subtense of the apparent source α: 100 mrad

EN 62471			
Clause	Requirement + Test	Result – Remark	Verdict

Table 6.1	Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)									P
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	0,0000	--	--	--	--	
Near UV		E_{UVA}	$W \cdot m^{-2}$	0,33	0,0000	--	--	--	--	
Blue light	B(λ)	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	2,94E+01	10000		4000000		
Blue light, small source	B(λ)	E_B	$W \cdot m^{-2}$	0,01*	--	1,0		400		
Retinal thermal	R(λ)	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	28000/α	1,79E+03	28000/α		71000/α		
Retinal thermal, weak visual stimulus**	R(λ)	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	545000 0,0017≤ α ≤ 0,011	--					
				6000/α 0,011≤ α ≤ 0,1	--					
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0,10	570		3200		

* Small source defined as one with α < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source

NOTE The action functions: see Table 4.1 and Table 4.2
The applicable aperture diameters: see 4.2.1
The limitations for the angular subtenses: see 4.2.2
The related measurement condition 5.2.3 and the range of acceptance angles: see Table 5.5.