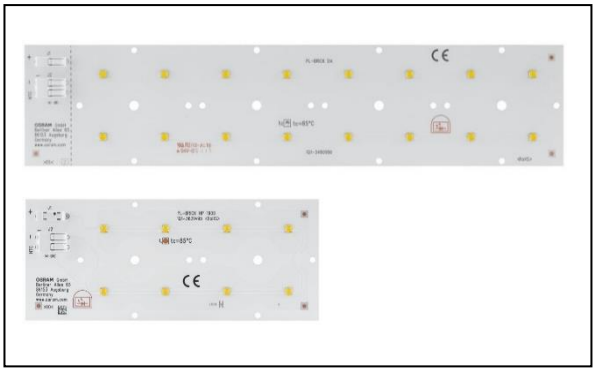
Light is OSRAM

PrevaLED® Brick HP

Dimension (L x B x H):

- **PL-BRICK HP 1900 2x4:**
  121.4 mm x 49.5 mm x 6 mm
- **PL-BRICK HP 2850 2x6:**
  172.2 mm x 49.5 mm x 6 mm
- **PL-BRICK HP 3800 2x8:**
  223.5 mm x 49.5 mm x 6 mm



Features

- Module efficacy: up to 176 lm/W and more
- CCT: 2200K, 2700K, 3000K and 4000 K
- Color rendering index Ra > 70 and Ra > 80
- Initial color consistency: ≤ 5 SDCM
- Average lifetime (L80B10): >100,000 h (up to temperature at Tp = 85 °C)
- Geometry according to Zhaga Book 15
- Compatible to standard outdoor and industry optics, e.g. Ledil Strada 2x2 series

Typical technical data @rated conditions[1)]

Product name	Flux (lm)	CCT (K)	CRI[3)]	SDCM	Uf (V)	If[2)] (mA)	P (W)	Efficacy (lm/W)
PL-BRICK HP 1900 722 2x4	1960	2200	> 70	5	22.7	700	15.9	124
PL-BRICK HP 1900 727 2x4	2275	2700	> 70	5	22.7	700	15.9	143
PL-BRICK HP 1900 730 2x4	2440	3000	> 70	5	22.5	700	15.8	155
PL-BRICK HP 1900 740 2x4	2495	4000	> 70	5	22.5	700	15.8	159
PL-BRICK HP 1900 840 2x4	2045	4000	> 80	5	22.5	700	15.8	130
PL-BRICK HP 2850 722 2x6	2940	2200	> 70	5	34.0	700	23.8	124
PL-BRICK HP 2850 727 2x6	3410	2700	> 70	5	34.0	700	23.8	143
PL-BRICK HP 2850 730 2x6	3660	3000	> 70	5	33.8	700	23.6	155
PL-BRICK HP 2850 740 2x6	3743	4000	> 70	5	33.8	700	23.6	159
PL-BRICK HP 2850 840 2x6	3068	4000	> 80	5	33.8	700	23.6	130
PL-BRICK HP 3800 722 2x8	3920	2200	> 70	5	45.3	700	31.7	124
PL-BRICK HP 3800 727 2x8	4550	2700	> 70	5	45.3	700	31.7	143
PL-BRICK HP 3800 730 2x8	4880	3000	> 70	5	45.0	700	31.5	155
PL-BRICK HP 3800 740 2x8	4990	4000	> 70	5	45.0	700	31.5	159
PL-BRICK HP 3800 840 2x8	4090	4000	> 80	5	45.0	700	31.5	130

[1)] Tolerance for optical and electrical data: +/-10%

[2)] I_f(max) = 1400mA

[3)] tolerance for CRI +/-1

Typical values valid for Tp = 55°C
Energy Efficiency Class according 2012/874/EC: A++

Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

Typical technical data[1)]

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If[2)] (mA)	P (W)	Efficacy (lm/W)
PL-BRICK HP 1900 722 2x4	1050	2200	> 70	5	22.0	350	7.7	137
	1530	2200	> 70	5	22.4	530	11.9	129
	2795	2200	> 70	5	23.2	1050	24.4	115
PL-BRICK HP 1900 727 2x4	1222	2700	> 70	5	22.0	350	7.7	159
	1775	2700	> 70	5	22.4	530	11.9	150
	3240	2700	> 70	5	23.2	1050	24.4	133
PL-BRICK HP 1900 730 2x4	1310	3000	> 70	5	21.8	350	7.7	172
	1905	3000	> 70	5	22.2	530	11.8	162
	3470	3000	> 70	5	23.1	1050	24.2	143
PL-BRICK HP 1900 740 2x4	1340	4000	> 70	5	21.8	350	7.7	176
	1945	4000	> 70	5	22.2	530	11.8	166
	3550	4000	> 70	5	23.1	1050	24.2	147
PL-BRICK HP 1900 840 2x4	1100	4000	> 80	5	21.8	350	7.7	145
	1600	4000	> 80	5	22.2	530	11.8	136
	2895	4000	> 80	5	23.1	1050	24.2	120
PL-BRICK HP 2850 722 2x6	1580	2200	> 70	5	33	350	11.5	137
	2295	2200	> 70	5	33.5	530	17.8	129
	4190	2200	> 70	5	34.9	1050	36.6	115
PL-BRICK HP 2850 727 2x6	1830	2700	> 70	5	33	350	11.5	159
	2660	2700	> 70	5	33.5	530	17.8	150
	4860	2700	> 70	5	34.9	1050	36.6	133
PL-BRICK HP 2850 730 2x6	1965	3000	> 70	5	32.7	350	11.4	172
	2858	3000	> 70	5	33.3	530	17.6	162
	5205	3000	> 70	5	34.7	1050	36.4	143
PL-BRICK HP 2850 740 2x6	2010	4000	> 70	5	32.7	350	11.4	176
	2918	4000	> 70	5	33.3	530	17.6	166
	5325	4000	> 70	5	34.7	1050	36.4	147
PL-BRICK HP 2850 840 2x6	1650	4000	> 80	5	32.7	350	11.4	145
	2400	4000	> 80	5	33.3	530	17.6	136
	4343	4000	> 80	5	34.7	1050	36.4	120
PL-BRICK HP 3800 722 2x8	2105	2200	> 70	5	44.0	350	15.4	137
	3060	2200	> 70	5	44.7	530	23.7	129
	5590	2200	> 70	5	46.5	1050	48.8	115
PL-BRICK HP 3800 727 2x8	2440	2700	> 70	5	44.0	350	15.4	159
	3550	2700	> 70	5	44.7	530	23.7	150
	6480	2700	> 70	5	46.5	1050	48.8	133
PL-BRICK HP 3800 730 2x8	2620	3000	> 70	5	43.6	350	15.3	172
	3810	3000	> 70	5	44.4	530	23.5	162
	6940	3000	> 70	5	46.1	1050	48.4	143
PL-BRICK HP 3800 740 2x8	2680	4000	> 70	5	43.6	350	15.3	176
	3890	4000	> 70	5	44.4	530	23.5	166
	7100	4000	> 70	5	46.1	1050	48.4	147
PL-BRICK HP 3800 840 2x8	2200	4000	> 80	5	43.6	350	15.3	145
	3200	4000	> 80	5	44.4	530	23.5	136
	5790	4000	> 80	5	46.1	1050	48.4	120

Temperature ratings

Tp (performance temperature)	55°C
Tc max (maximum temperature)	85°C
Ta (ambient temperature range)	-20°C < Ta < +70°C
Tstg (storage temperature range)	-30°C < Ta < +85°C

Cable

For connecting the module OSRAM recommend to use an AWG 20 (0.5mm²) solid wire cable, max diameter for cable inclusive insulation ~2(+/-0,05)mm.

Lifetime Data

CRI 70 versions

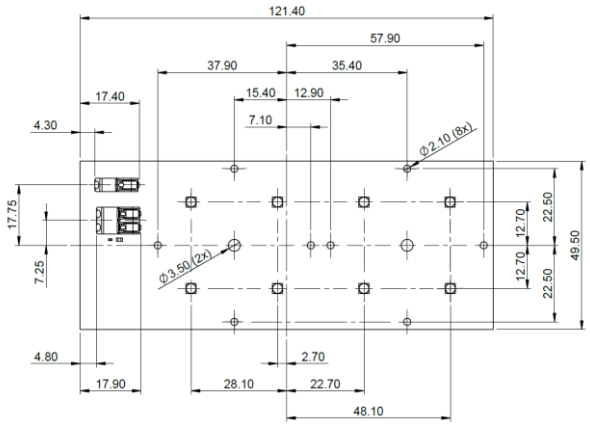
		LxBy					
	x	70		80		90	
	y	10	50	10	50	10	50
tp [°C] = 55°C	**530 mA**	100.000	100.000	100.000	100.000	100.000	100.000
	700 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1050 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1400 mA	100.000	100.000	100.000	100.000	100.000	100.000
tp [°C] = 70°C	**530 mA**	100.000	100.000	100.000	100.000	100.000	100.000
	700 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1050 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1400 mA	100.000	100.000	100.000	100.000	80.000	98.000
tp [°C] = 85°C	**530 mA**	100.000	100.000	100.000	100.000	100.000	100.000
	700 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1050 mA	100.000	100.000	100.000	100.000	38.000	46.000
	1400 mA	100.000	100.000	100.000	100.000	26.000	32.000

CRI 80 version

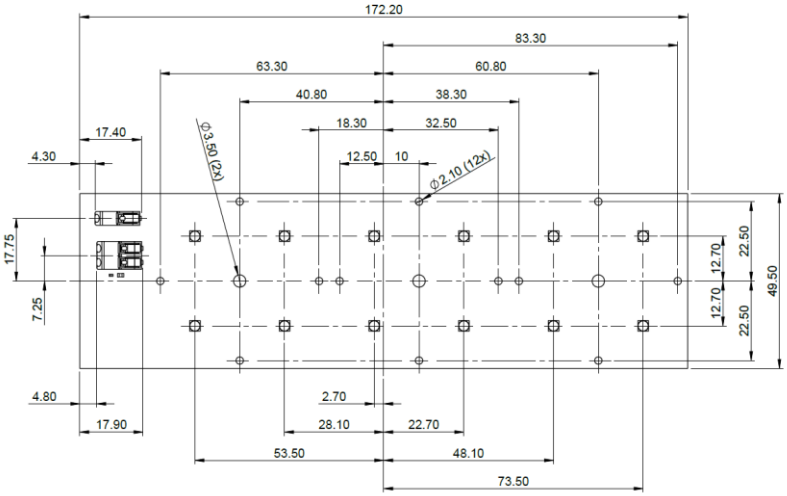
		LxBy					
	x	70		80		90	
	y	10	50	10	50	10	50
tp [°C] = 55°C	**530 mA**	100.000	100.000	100.000	100.000	100.000	100.000
	700 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1050 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1400 mA	100.000	100.000	100.000	100.000	100.000	100.000
tp [°C] = 70°C	**530 mA**	100.000	100.000	100.000	100.000	100.000	100.000
	700 mA	100.000	100.000	100.000	100.000	100.000	100.000
	1050 mA	100.000	100.000	100.000	100.000	67.000	75.000
	1400 mA	100.000	100.000	100.000	100.000	53.000	59.000
tp [°C] = 85°C	**530 mA**	100.000	100.000	100.000	100.000	82.000	92.000
	700 mA	100.000	100.000	100.000	100.000	73.000	82.000
	1050 mA	100.000	100.000	100.000	100.000	30.000	34.000
	1400 mA	100.000	100.000	100.000	100.000	24.000	27.000

Dimensioned Drawing

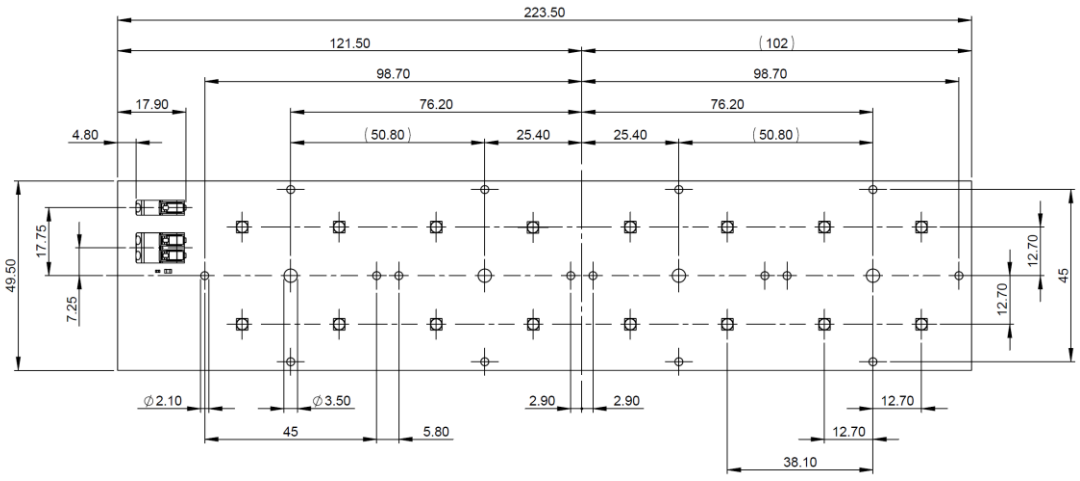
PL-BRICK HP 1900 XX0 2x4



PL-BRICK HP 2850 XX0 2x6



PL-BRICK HP 3800 XX0 2x8



Ordering Codes

Product name	EAN single product	EAN shipping unit (100 pcs)
PL-BRICK HP 1900 722 2x4	4062172036238	4062172036245
PL-BRICK HP 1900 727 2x4	4062172036252	4062172036269
PL-BRICK HP 1900 730 2x4	4052899597211	4052899597228
PL-BRICK HP 1900 740 2x4	4052899597235	4052899597242
PL-BRICK HP 1900 840 2x4	4052899597259	4052899597266
PL-BRICK HP 2850 722 2x6	4062172036191	4062172036207
PL-BRICK HP 2850 727 2x6	4062172036214	4062172036221
PL-BRICK HP 2850 730 2x6	4062172028189	4062172028196
PL-BRICK HP 2850 740 2x6	4062172028202	4062172028219
PL-BRICK HP 2850 840 2x6	4062172028226	4062172028233
PL-BRICK HP 3800 722 2x8	4062172036153	4062172036160
PL-BRICK HP 3800 727 2x8	4062172036177	4062172036184
PL-BRICK HP 3800 730 2x8	4052899576292	4052899576308
PL-BRICK HP 3800 740 2x8	4052899576315	4052899576322
PL-BRICK HP 3800 840 2x8	4052899576339	4052899576346

Safety Information

- The LED module itself and all its components must not be mechanically stressed.

The modules are intended for operation only with matching OPTOTRONIC®.

To also ease the luminaire/installation approval, electronic control gear for LED or LED modules should carry the CE mark and be ENEC certified. In Europe the declarations of conformity must include the following standards:
CE: EC 61347-2-13, EN 55015, IEC 61547 and IEC 61000-3-2 - ENEC: 61347-2-13 and IEC/EN 62384.
Also check for the mark of an independent authorized certification institute.
Please see the relevant brochure for more detailed information (see "Related and Further Information")

- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Pay attention to standard ESD precautions when installing the module.
- Photobiological safety according to IEC 62471, risk group RG1
- Max. Voltage U-OUT = 350 V for operation on non-isolated and SELV LED control-gear.

Sales and Technical Support

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Sales and technical support is given by the local OSRAM subsidiaries.
On our world wide homepage all OSRAM subsidiaries are listed with complete address and phone numbers.

Note: Typical performance data are subject to change without any further notice, particularly as LED technology evolves.

OSRAM GmbH

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