

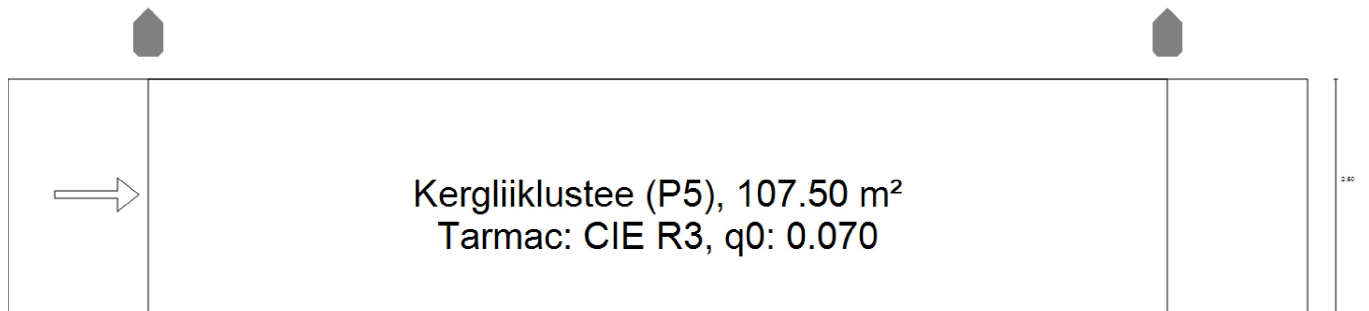
43m samm, 3000K, 17W · Alternative 4

## Description

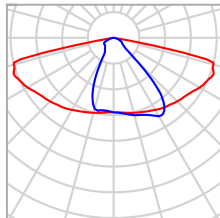
## Images

43m samm, 3000K, 17W · Alternative 4

### Summary (according to EN 13201:2015)



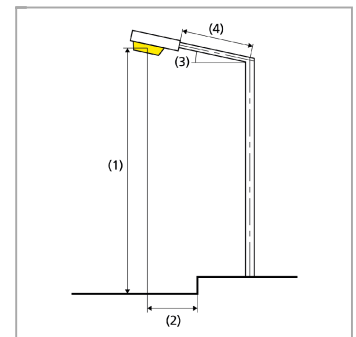
43m samm, 3000K, 17W · Alternative 4

**Summary (according to EN 13201:2015)**

Manufacturer	PHILIPS	P	17.4 W
Article No.		$\Phi_{\text{Lamp}}$	2000 lm
Article name	BGP202 T25 1 xLED20-4S/830 DN10	$\Phi_{\text{Luminaire}}$	1759 lm
Fitting	1x LED20-4S/830	$\eta$	87.97 %

## BGP202 T25 1 xLED20-4S/830 DN10 (single side top)

Pole distance	43.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	-0.500 m
(3) Boom inclination	0.0°
(4) Boom length	0.000 m
Annual operating hours	4000 h: 100.0 %, 17.4 W
Consumption	400.2 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 625 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 136 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*2
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.6



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**Summary (according to EN 13201:2015)**

## Results for valuation fields

	Symbol	Calculated	Target	Check
Kergliiklustee (P5)	$E_{av}$	4.05 lx	[3.00 - 4.50] lx	✓
	$E_{min}$	0.80 lx	$\geq 0.60$ lx	✓

A maintenance factor of 0.81 was used for calculating for the installation.

## Results for energy efficiency indicators

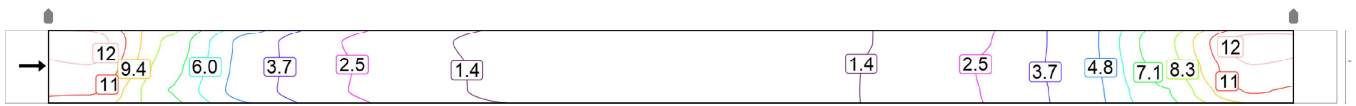
	Symbol	Calculated	Consumption
43m samm, 3000K, 17W	$D_p$	0.040 W/lx*m <sup>2</sup>	-
BGP202 T25 1 xLED20-4S/830 DN10 (single side top)	$D_e$	0.6 kWh/m <sup>2</sup> yr	69.6 kWh/yr

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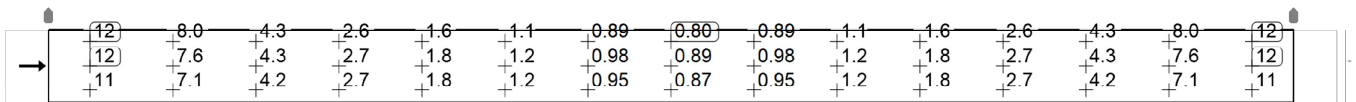
**Kergliiklustee (P5)**

Results for valuation field

	Symbol	Calculated	Target	Check
Kergliiklustee (P5)	$E_{av}$	4.05 lx	[3.00 - 4.50] lx	✓
	$E_{min}$	0.80 lx	$\geq 0.60$ lx	✓



Maintenance value, horizontal illuminance [lx] (Iso-illuminance curves)



Maintenance value, horizontal illuminance [lx] (Value grid)

m	1.433	4.300	7.167	10.033	12.900	15.767	18.633	21.500	24.367	27.233	30.100	32.967	35.833	38.700	41.567
2.083	12.31	8.01	4.34	2.57	1.63	1.14	0.89	0.80	0.89	1.14	1.63	2.57	4.34	8.01	12.31
1.250	11.68	7.60	4.30	2.74	1.75	1.23	0.98	0.89	0.98	1.23	1.75	2.74	4.30	7.60	11.68
0.417	10.69	7.10	4.22	2.67	1.75	1.23	0.95	0.87	0.95	1.23	1.75	2.67	4.22	7.10	10.69

Maintenance value, horizontal illuminance [lx] (Value chart)

	$E_{av}$	$E_{min}$	$E_{max}$	$g_1$	$g_2$
Maintenance value, horizontal illuminance	4.05 lx	0.80 lx	12.3 lx	0.199	0.065