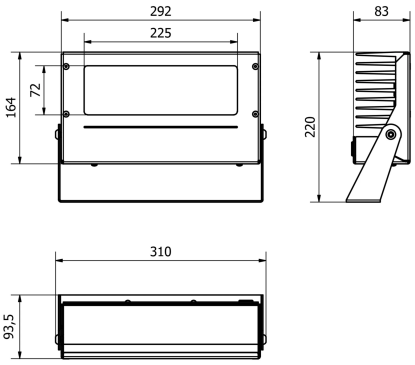
Product Data Sheet

Industrial and outdoor lighting



BUXUS 50 GENERAL CHARACTERISTICS	
Applications	Industrial and outdoor lighting
Optics	**13:** Rotosymmetric 13°; **25:** Rotosymmetric 25°; **AS:** Asymmetric; **A2:** Asymmetrical 2; **40:** Rotosymmetric 40°;
Colour temperature	**1:** Cool White 5,500K; **2:** Warm White 3,000K; **8:** Neutral White 4,000K;
CRI and color tolerance (SDCM)	Medium 75 on request Min. > 80 Colour tolerance between several luminaires Max. 5 MacAdam steps; on request 3 MacAdam steps
Photobiological safety class	Exempt Group
Insulation class	Class I
Degree of protection	IK08
IP Grade	IP66
Wiring	Quick plug-in IP65 connector
Dimensions	310 x 220 x 93.5mm
Weight	5.5 kg
ELECTRICAL CHARACTERISTICS	
Power supply	220-240 V 50/60 Hz
Power factor	> 0.9 (at full load)
Control system	Power supplies with 1-10V dimming line or DALI on request
Operating temperature	-20°C +40°C
Network connection	Neoprene cable 0.3 m
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 90.000 hr
MATERIALS	
Fixing	By means of black painted steel bracket
Heatsink	Black anodized aluminium
Frame	Black painted steel; painted RAL 9005
Optics	Version 13/25/40°/AS Optical PMMA with high temperature and UV resistance
Screen	4 mm thick toughened flat glass resistant to thermal shock and impact

POWER AND OPTICAL FLUX | 13 (T_{amb}=25°C)

		4000K			3000K	
CODE	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
BUH_C__11_1	80,0	11.120	139	80,0	10.230	128

POWER AND OPTICAL FLUX | 25 (T_{amb}=25°C)

		4000K			3000K	
CODE	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
BUH_C__11_1	80,0	10.936	137	80,0	10.061	126

POWER AND OPTICAL FLUX | AS (T_{amb}=25°C)

		4000K			3000K	
CODE	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
BUH_C__11_1	80,0	10.560	132	80,0	9.715	121

POWER AND OPTICAL FLUX | A2 (T_{amb}=25°C)

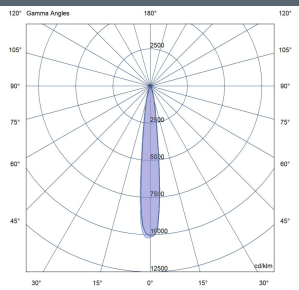
		4000K			3000K	
CODE	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
BUH_C__11_1	80,0	10.144	127	80,0	9.332	117

POWER AND OPTICAL FLUX | 40 (T_{amb}=25°C)

		4000K			3000K	
CODE	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
BUH_C__11_1	80,0	10.240	128	80,0	9.421	118

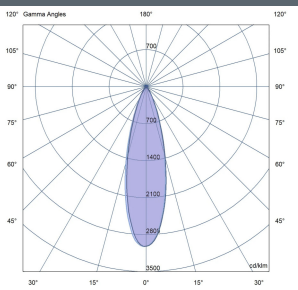
OPTICS

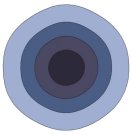
Rotosymmetric 13°



13° Rotosymmetrical Optics

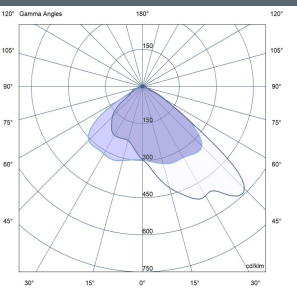
Rotosymmetric 25°

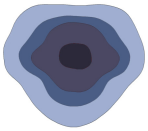




25° Rotosymmetrical Optics

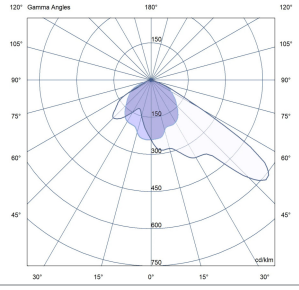
Asymmetric

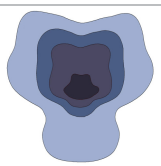




Asymmetric

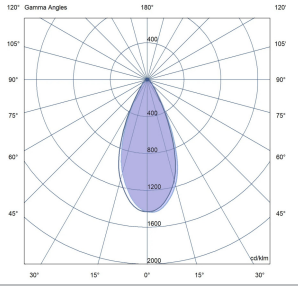
Asymmetrical 2

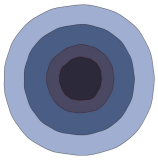




Asymmetric

Rotosymmetric 40°





40° Rotosymmetrical Optics

CODING

	LED Color Temperature	LED Color Temperature	Optics	Finishes	Options	Power *
BUH	X	X	X	X	X	X
	1 Cool White 5,500K **2** Warm White 3,000K **8** Neutral White 4,000K	**C**	**13** Rotosymmetric 13° **25** Rotosymmetric 25° **AS** Asymmetric **A2** Asymmetrical 2 **40** Rotosymmetric 40°	**11**	**0** none **D** Dali	**1** 80 W