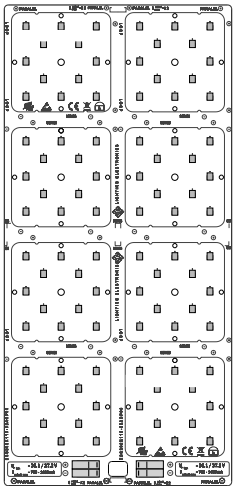
ESS232X110-03ACP96

Floodlight Outdoor

FLOODLIGHT LED MODULE

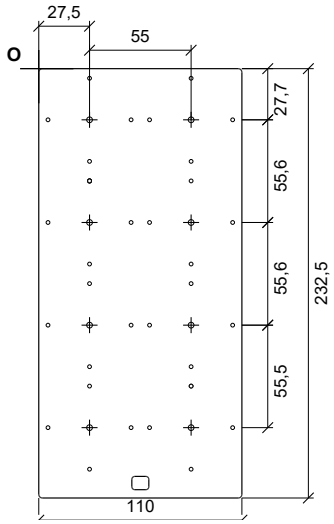


VOLTAGE / CURRENT (1 item)	POWER (1 item)	DIMENSIONS	CCT / lm / lm/W (1 item)
73 V · 1050 mA	76.65 W	110 × 232.5 × 1.6 mm	2700 K: 10008 / 131 3000 K: 10354 / 135 4000 K: 10871 / 142 6500 K: 10871 / 142

TECHNICAL DATA

Module Product Code	**ESS232X110-03ACP96**
Applications	Floodlight luminaires
Photometric Data	
Colour Temperatures	2700 / 3000 / 4000 / 6500 K
Colour Consistency	MacAdam Step-3
Luminous Flux (1 item)	10008 / 10354 / 10871 / 10871 lm
CRI [Ra]	80
Efficacy [lm/W]	131 / 135 / 142 / 142
Beam Angle	120° (typical LED)
Life L80B10C1 [hours]	40,000
Electrical Data - nominal / approximate	
Operating Mode	Constant current
Voltage (1 item)	Series: 72-74 V; Parallel total: 36-37 V
Current (1 item)	Series: 1050; Parallel total: 2100 mA
Power (1 item)	76.65 W
Dimming	With compatible driver
Circuit / LED Current	2 × (6S8P); 131.25 mA/LED

Dimensions / Mechanical Data		**Components / Packages / Temperature**	
Width	110 mm	LED / Package	LM282B+ / 2835
Length	232.5 mm	Resistor	None
Thickness	1.6 mm	Connector	4 × WAGO
PCB Material	Aluminium	Operating Temperature [Tc]	-40 … +85 °C
LED Count	96 / 1 item	Ambient Temperature	-40 … +50 °C
Mounting holes	8 × Ø3.1; 37 × Ø2.05	Source	LM282B+ / p.25



O: left/top edge; X right, Y down.

8 selected mounting centres

X: 27.496 / 82.496 mm

Y: 27.7 / 83.3 mm

Y: 138.9 / 194.4 mm

Ø3.1 mm

ΔX: 55 mm

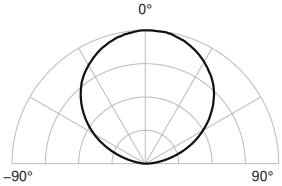
ΔY: 55.6 / 55.6 / 55.5 mm

110 × 232.5 mm

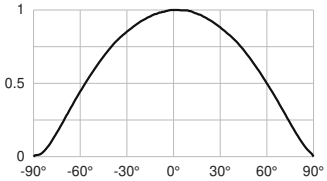
Dimensions in mm; not a 1:1 drilling template.

TYPICAL DISTRIBUTION OF THE LED USED

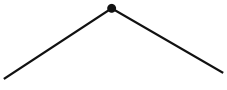
Polar Distribution



Angle - Relative Intensity



50% Intensity Angle



≈ 117°

I / Imax = 0.5

Samsung LM282B+ SA/SB Rev.0.5, p.25; 150 mA, Ta=25 °C. Manufacturer LED curve; not a module/lens measurement.

Flux: SA bin midpoint, 25 °C, equal sharing at 131.25 mA/LED. Optical, thermal and driver losses excluded. 73 V × 1.05 A = 76.65 W nominal calculation; not a module measurement.