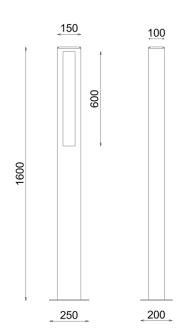


BOLLARDS









PRODUCT DATA

General Information	
Number of light source	180 pcs
LED module	Mid Power LED's
Light distribution	Diffuser
Light source colour	3000K-4000K
Number of gear unit	1 unit
Driver / power unit	PS (Constant current)
Driver included	Yes
Optical cover / lens type	Diffuser
Control interface	On/Off
Connection	
Cable	3x0,75 mm ²
Protection class IEC	Safety class I
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Optic type	Symmetric
EU RoHS compliant	Yes
Light source engine type	LED
LDT / IES photometric file	N/A
Life span	Estimated average 50.000 hours
MacAdams	CCT tolerance within a 3 step MacAdams ellipse
Product code	60-78-45-180-016-120-X (X: Led colour)
Operating and Electrical	
Input Voltage	90-264 V AC
Input frequency	50 to 60 Hz
Inrush current	204 mA
Power factor (min.)	0.92
Control and Dimming	
Dimmable(optional)	1-10V - DALI
DMX	-

Mechanical and Housing	
Housing material	Aluminium extrusion
Gasket	Silicone
Optic material	-
Optical cover / lens material	Plexiglass (3mm)
Fixation material	Stainless steel
Mounting device	-
Effective projected area	0,24m ²
Colour	Grey
Dimensions (height x width x depth)	1600 x 250 x 200 mm
Approval and Application	
Ingress protection code	IP65
Mech. impact protection code	-
Surge protection (common/differential)	3 KV/3KV
Initial Performance (IEC Complian	τ)
Module luminous flux	3242 lm (4000K) / 3186 lm (3000K)
Luminaire luminous flux	2707 lm (4000K) / 2655 lm (3000K)
Luminaire luminous flux LED luminaire efficiency	2707 lm (4000K) / 2655 lm (3000K) 60 lm (4000K) / 59 lm (3000K)
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Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request.
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power Rated luminare power	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power Rated luminare power Application Conditions	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W 45W
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power Rated luminare power Application Conditions Ambient temperature range	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W 45W
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power Rated luminare power Application Conditions Ambient temperature range Maximum dimming level Net weight (piece)	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W 45W -25°C to +55°C - Variable
Luminaire luminous flux LED luminaire efficiency Colour Temperature Colour rendering index Rated LED power Rated luminare power Application Conditions Ambient temperature range Maximum dimming level	2707 Im (4000K) / 2655 Im (3000K) 60 Im (4000K) / 59 Im (3000K) 4000K / 3000K 6500K also available up on request. ≥70 41W 45W -25°C to +55°C - Variable To calculate fixture run lenghts and