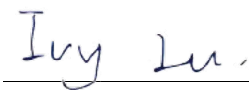


Prüfbericht-Nr.: Test report no.:	CN24JOU7 001	Auftrags-Nr.: Order no.:	170370633	Seite 1 von 18 Page 1 of 18
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2024-02-02	
Auftraggeber: Client:	Bemko Sp. z o.o. ul. Bocznicowa 13, 05-850 Jawczyce, Poland			
Prüfgegenstand: Test item:	LED Street Light			
Bezeichnung / Typ-Nr.: Identification / Type no.:	AVN series, details see model list			
Auftrags-Inhalt: Order content:	Test report			
Prüfgrundlage: Test specification:	IEC 62262:2002+A1:2021			
Wareneingangsdatum: Date of sample receipt:	2024-03-11			
Prüfmuster-Nr.: Test sample no.:	A003679840			
Prüfzeitraum: Testing period:	2024-06-03 - 2024-06-06			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Guangdong) Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:			genehmigt von: authorized by:	
Datum: Date:	2024-07-11		Ausstellungsdatum: Issue date:	2024-07-11
Stellung / Position:	Dere Zhang / PE		Stellung / Position:	Ivy Lu / Authorizer
Sonstiges / Other:	IK09 for enclosure has assessed according to IEC 62262:2002+A1:2021 and relevant product standard IEC TR 62696:2011.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature <i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i>
3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>
5	Factory / Fabrik: Bemko Sp. z o.o. Address: ul. Bocznicowa 13, 05-850 Jawczyce, Poland

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Produktbeschreibung
Product description

1	Produktdetails Product details	The products covered by this report are LED Street Light, for outdoor use. All models have same construction, except LED quantity, housing dimensions and LED driver. Model AVN-025D1-74I1-9006-T2M and AVN-280B0-76I1-9006-T2M were chosen to conduct test.
2	Maße / Gewicht Dimensions / Weight	--
3	Bedienelemente Operating elements	--
4	Ausstattung / Zubehör Equipment / Accessories	--
5	Verwendete Materialien Used materials	Tempered glass cover (thickness: min. 6mm) + metal enclosure
6	Sonstiges Other	Test sample(s), as well sample information, description, product details and intended usage was provided by customer.
7	Prüfmusterbereitstellung: Test sample obtaining	☒ Sending by customer ☐ Sampling by TÜV Rheinland Group ☐ others:

Product details - model list

Model name*	Rated input	Rated power (W)	ta (°C)	LED type	LED quantity (pcs)	Used LED driver	IK code	CCT (K)
					10in1 lens			
Series 1								
AVN-030B0-7xS1-9006-yyy	180-277V~, 50/60Hz	30	50	5050	40	SS-30GA-E62B	IK09	2700-6500
AVN-040B0-7xS1-9006-yyy	180-277V~, 50/60Hz	40	50	5050	40	SS-50GA-E62B	IK09	2700-6500
AVN-050B0-7xS1-9006-yyy	180-277V~, 50/60Hz	50	50	5050	40	SS-50GA-E62B	IK09	2700-6500
AVN-060B0-7xS1-9006-yyy	180-277V~, 50/60Hz	60	50	5050	60	SS-75GA-E62B	IK09	2700-6500
AVN-080B0-7xS1-9006-yyy	180-277V~, 50/60Hz	80	50	5050	60	SS-75GA-E62B	IK09	2700-6500
AVN-100B0-7xS1-9006-yyy	180-277V~, 50/60Hz	100	50	5050	90	SS-100GA-E62B	IK09	2700-6500
AVN-120B0-7xS1-9006-yyy	180-277V~, 50/60Hz	120	50	5050	90	SS-150GA-E62B	IK09	2700-6500
AVN-150B0-7xS1-9006-yyy	180-277V~, 50/60Hz	150	50	5050	120	SS-150GA-E62B	IK09	2700-6500
AVN-180B0-7xS1-9006-yyy	180-277V~, 50/60Hz	180	50	5050	120	SS-200GA-E62B	IK09	2700-6500
AVN-200B0-7xS1-9006-yyy	180-277V~, 50/60Hz	200	50	5050	200	SS-200GA-E62B	IK09	2700-6500
AVN-220B0-7xS1-9006-yyy	180-277V~, 50/60Hz	220	50	5050	200	SS-250GA-E62B	IK09	2700-6500
AVN-240B0-7xS1-9006-yyy	180-277V~, 50/60Hz	240	50	5050	200	SS-250GA-E62B	IK09	2700-6500
AVN-250B0-7xS1-9006-yyy	180-277V~, 50/60Hz	250	50	5050	200	SS-250GA-E62B	IK09	2700-6500

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Series 2									
AVN-030B0-7xI1-9006-yyy	100-277V~, 50/60Hz	30	50	5050	40	EUM-030S105DG	IK09	2700-6500	
AVN-040B0-7xI1-9006-yyy	100-277V~, 50/60Hz	40	50	5050	40	EUM-050S150DG	IK09	2700-6500	
AVN-050B0-7xI1-9006-yyy	100-277V~, 50/60Hz	50	50	5050	40	EUM-050S150DG	IK09	2700-6500	
AVN-060B0-7xI1-9006-yyy	100-240V~, 50/60Hz	60	50	5050	60	EUM-075S210DG	IK09	2700-6500	
AVN-080B0-7xI1-9006-yyy	100-240V~, 50/60Hz	80	50	5050	60	EUM-075S210DG	IK09	2700-6500	
AVN-100B0-7xI1-9006-yyy	100-240V~, 50/60Hz	100	50	5050	90	EUM-100S280DG	IK09	2700-6500	
AVN-120B0-7xI1-9006-yyy	100-240V~, 50/60Hz	120	50	5050	90	EUM-150S420DG	IK09	2700-6500	
AVN-150B0-7xI1-9006-yyy	200-240V~, 50/60Hz	150	50	5050	120	EUM-150S420DG	IK09	2700-6500	
AVN-180B0-7xI1-9006-yyy	200-240V~, 50/60Hz	180	50	5050	120	EUM-200S560DG	IK09	2700-6500	
AVN-200B0-7xI1-9006-yyy	200-240V~, 50/60Hz	200	50	5050	200	EUM-200S560DG	IK09	2700-6500	
AVN-220B0-7xI1-9006-yyy	200-240V~, 50/60Hz	220	50	5050	200	EUM-240S670DG	IK09	2700-6500	
AVN-240B0-7xI1-9006-yyy	200-240V~, 50/60Hz	240	50	5050	200	EUM-240S670DG	IK09	2700-6500	
AVN-280B0-7xI1-9006-yyy	100-240V~, 50/60Hz	280	50	5050	200	EUM-320S760DG	IK09	2700-6500	
Series 3									
AVN-025D1-7xI1-9006-yyy	200-240V~, 50/60Hz	25	50	5050	40	EBS-025S070BT2	IK09	2700-6500	
AVN-040D1-7xI1-9006-yyy	200-240V~, 50/60Hz	40	50	5050	40	EBS-040S105BT2	IK09	2700-6500	
AVN-060D1-7xI1-9006-yyy	200-240V~, 50/60Hz	60	50	5050	60	EBS-080S150BT2	IK09	2700-6500	
AVN-080D1-7xI1-9006-yyy	200-240V~, 50/60Hz	80	50	5050	60	EBS-080S150BT2	IK09	2700-6500	
AVN-100D1-7xI1-9006-yyy	200-240V~, 50/60Hz	100	50	5050	90	EBS-120S105BT2	IK09	2700-6500	
AVN-120D1-7xI1-9006-yyy	200-240V~, 50/60Hz	120	50	5050	90	EBS-120S105BT2	IK09	2700-6500	
AVN-150D1-7xI1-9006-yyy	200-240V~, 50/60Hz	150	50	5050	120	EBS-165S150BT2	IK09	2700-6500	
AVN-165D1-7xI1-9006-yyy	200-240V~, 50/60Hz	165	50	5050	120	EBS-165S150BT2	IK09	2700-6500	
Series 4									
AVN-030B0-7xS2-9006-yyy	180-277V~, 50/60Hz	30	50	5050	40	SS-30GA-E62BE	IK09	2700-6500	
AVN-040B0-7xS2-9006-yyy	180-277V~, 50/60Hz	40	50	5050	40	SS-50GA-E62BE	IK09	2700-6500	
AVN-050B0-7xS2-9006-yyy	180-277V~, 50/60Hz	50	50	5050	40	SS-50GA-E62BE	IK09	2700-6500	
AVN-060B0-7xS2-9006-yyy	180-277V~, 50/60Hz	60	50	5050	60	SS-75GA-E62BE	IK09	2700-6500	

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AVN-080B0-7xS2-9006-yyy	180-277V~, 50/60Hz	80	50	5050	60	SS-75GA-E62BE	IK09	2700-6500
AVN-100B0-7xS2-9006-yyy	180-277V~, 50/60Hz	100	50	5050	90	SS-100GA-E62BE	IK09	2700-6500
AVN-120B0-7xS2-9006-yyy	180-277V~, 50/60Hz	120	50	5050	90	SS-150GA-E62BE	IK09	2700-6500
AVN-150B0-7xS2-9006-yyy	180-277V~, 50/60Hz	150	50	5050	120	SS-150GA-E62BE	IK09	2700-6500
AVN-180B0-7xS2-9006-yyy	180-277V~, 50/60Hz	180	50	5050	120	SS-200GA-E62BE	IK09	2700-6500
AVN-200B0-7xS2-9006-yyy	180-277V~, 50/60Hz	200	50	5050	200	SS-200GA-E62BE	IK09	2700-6500
AVN-220B0-7xS2-9006-yyy	180-277V~, 50/60Hz	220	50	5050	200	SS-250GA-E62BE	IK09	2700-6500
AVN-240B0-7xS2-9006-yyy	180-277V~, 50/60Hz	240	50	5050	200	SS-250GA-E62BE	IK09	2700-6500
AVN-250B0-7xS2-9006-yyy	180-277V~, 50/60Hz	250	50	5050	200	SS-250GA-E62BE	IK09	2700-6500
Series 5								
AVN-025D1-7xI2-9006-yyy	200-240V~, 50/60Hz	25	50	5050	40	EBS-025S070BT2	IK09	2700-6500
AVN-040D1-7xI2-9006-yyy	200-240V~, 50/60Hz	40	50	5050	40	EBS-040S105BT2	IK09	2700-6500
AVN-060D1-7xI2-9006-yyy	200-240V~, 50/60Hz	60	50	5050	60	EBS-080S150BT2	IK09	2700-6500
AVN-080D1-7xI2-9006-yyy	200-240V~, 50/60Hz	80	50	5050	60	EBS-080S150BT2	IK09	2700-6500
AVN-100D1-7xI2-9006-yyy	200-240V~, 50/60Hz	100	50	5050	90	EBS-120S105BT2	IK09	2700-6500
AVN-120D1-7xI2-9006-yyy	200-240V~, 50/60Hz	120	50	5050	90	EBS-120S105BT2	IK09	2700-6500
AVN-150D1-7xI2-9006-yyy	200-240V~, 50/60Hz	150	50	5050	120	EBS-165S150BT2	IK09	2700-6500
AVN-165D1-7xI2-9006-yyy	200-240V~, 50/60Hz	165	50	5050	120	EBS-165S150BT2	IK09	2700-6500
Model name*	Rated input	Rated power (W)	ta (°C)	LED type	LED quantity (pcs)	Used LED driver	IK code	CCT (K)
					8in1 lens			
Series 6								
AVN-030B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	30	50	5050	32	SS-30GA-E62B	IK09	2700-6500
AVN-040B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	40	50	5050	32	SS-50GA-E62B	IK09	2700-6500
AVN-050B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	50	50	5050	32	SS-50GA-E62B	IK09	2700-6500
AVN-060B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	60	50	5050	48	SS-75GA-E62B	IK09	2700-6500
AVN-080B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	80	50	5050	48	SS-75GA-E62B	IK09	2700-6500
AVN-100B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	100	50	5050	72	SS-100GA-E62B	IK09	2700-6500
AVN-120B0-7xS1-9006-yyy8	180-277V~, 50/60Hz	120	50	5050	72	SS-150GA-E62B	IK09	2700-6500

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	AVN-150B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	150	50	5050	96	SS-150GA-E62B	IK09	2700-6500
	AVN-180B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	180	50	5050	96	SS-200GA-E62B	IK09	2700-6500
	AVN-200B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	200	50	5050	160	SS-200GA-E62B	IK09	2700-6500
	AVN-220B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	220	50	5050	160	SS-250GA-E62B	IK09	2700-6500
	AVN-240B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	240	50	5050	160	SS-250GA-E62B	IK09	2700-6500
	AVN-250B0-7xS1-9006- yyy8	180-277V~, 50/60Hz	250	50	5050	160	SS-250GA-E62B	IK09	2700-6500
Series 7									
	AVN-030B0-7xI1-9006- yyy8	100-277V~, 50/60Hz	30	50	5050	32	EUM-030S105DG	IK09	2700-6500
	AVN-040B0-7xI1-9006- yyy8	100-277V~, 50/60Hz	40	50	5050	32	EUM-050S150DG	IK09	2700-6500
	AVN-050B0-7xI1-9006- yyy8	100-277V~, 50/60Hz	50	50	5050	32	EUM-050S150DG	IK09	2700-6500
	AVN-060B0-7xI1-9006- yyy8	100-240V~, 50/60Hz	60	50	5050	48	EUM-075S210DG	IK09	2700-6500
	AVN-080B0-7xI1-9006- yyy8	100-240V~, 50/60Hz	80	50	5050	48	EUM-075S210DG	IK09	2700-6500
	AVN-100B0-7xI1-9006- yyy8	100-240V~, 50/60Hz	100	50	5050	72	EUM-100S280DG	IK09	2700-6500
	AVN-120B0-7xI1-9006- yyy8	100-240V~, 50/60Hz	120	50	5050	72	EUM-150S420DG	IK09	2700-6500
	AVN-150B0-7xI1-9006- yyy8	200-240V~, 50/60Hz	150	50	5050	96	EUM-150S420DG	IK09	2700-6500
	AVN-180B0-7xI1-9006- yyy8	200-240V~, 50/60Hz	180	50	5050	96	EUM-200S560DG	IK09	2700-6500
	AVN-200B0-7xI1-9006- yyy8	200-240V~, 50/60Hz	200	50	5050	160	EUM-200S560DG	IK09	2700-6500
	AVN-220B0-7xI1-9006- yyy8	200-240V~, 50/60Hz	220	50	5050	160	EUM-240S670DG	IK09	2700-6500
	AVN-240B0-7xI1-9006- yyy8	200-240V~, 50/60Hz	240	50	5050	160	EUM-240S670DG	IK09	2700-6500
	AVN-280B0-7xI1-9006- yyy8	100-240V~, 50/60Hz	280	50	5050	160	EUM-320S760DG	IK09	2700-6500
Series 8									
	AVN-025D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	25	50	5050	32	EBS-025S070BT2	IK09	2700-6500
	AVN-040D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	40	50	5050	32	EBS-040S105BT2	IK09	2700-6500
	AVN-060D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	60	50	5050	48	EBS-080S150BT2	IK09	2700-6500
	AVN-080D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	80	50	5050	48	EBS-080S150BT2	IK09	2700-6500
	AVN-100D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	100	50	5050	72	EBS-120S105BT2	IK09	2700-6500
	AVN-120D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	120	50	5050	72	EBS-120S105BT2	IK09	2700-6500
	AVN-150D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	150	50	5050	96	EBS-165S150BT2	IK09	2700-6500

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AVN-165D1-7xI1-9006- yyy8	200-240V~, 50/60Hz	165	50	5050	96	EBS-165S150BT2	IK09	2700-6500
Series 9								
AVN-030B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	30	50	5050	32	SS-30GA-E62BE	IK09	2700-6500
AVN-040B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	40	50	5050	32	SS-50GA-E62BE	IK09	2700-6500
AVN-050B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	50	50	5050	32	SS-50GA-E62BE	IK09	2700-6500
AVN-060B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	60	50	5050	48	SS-75GA-E62BE	IK09	2700-6500
AVN-080B0-7xS2-9006- yyy	180-277V~, 50/60Hz	80	50	5050	48	SS-75GA-E62BE	IK09	2700-6500
AVN-100B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	100	50	5050	72	SS-100GA-E62BE	IK09	2700-6500
AVN-120B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	120	50	5050	72	SS-150GA-E62BE	IK09	2700-6500
AVN-150B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	150	50	5050	96	SS-150GA-E62BE	IK09	2700-6500
AVN-180B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	180	50	5050	96	SS-200GA-E62BE	IK09	2700-6500
AVN-200B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	200	50	5050	160	SS-200GA-E62BE	IK09	2700-6500
AVN-220B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	220	50	5050	160	SS-250GA-E62BE	IK09	2700-6500
AVN-240B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	240	50	5050	160	SS-250GA-E62BE	IK09	2700-6500
AVN-250B0-7xS2-9006- yyy8	180-277V~, 50/60Hz	250	50	5050	160	SS-250GA-E62BE	IK09	2700-6500
Series 10								
AVN-025D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	25	50	5050	32	EBS-025S070BT2	IK09	2700-6500
AVN-040D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	40	50	5050	32	EBS-040S105BT2	IK09	2700-6500
AVN-060D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	60	50	5050	48	EBS-080S150BT2	IK09	2700-6500
AVN-080D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	80	50	5050	48	EBS-080S150BT2	IK09	2700-6500
AVN-100D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	100	50	5050	72	EBS-120S105BT2	IK09	2700-6500
AVN-120D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	120	50	5050	72	EBS-120S105BT2	IK09	2700-6500
AVN-150D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	150	50	5050	96	EBS-165S150BT2	IK09	2700-6500
AVN-165D1-7xI2-9006- yyy8	200-240V~, 50/60Hz	165	50	5050	96	EBS-165S150BT2	IK09	2700-6500

*Note:

a) 'x' denotes CCT. For example, x=2 means 2700K, x=3 means 3000K, x=4 means 4000K, x=5 means 5000K, x=6 means 6500K.

b) 'yyy' denotes lens type, it can be T2M, T2S, T3M, T3S.

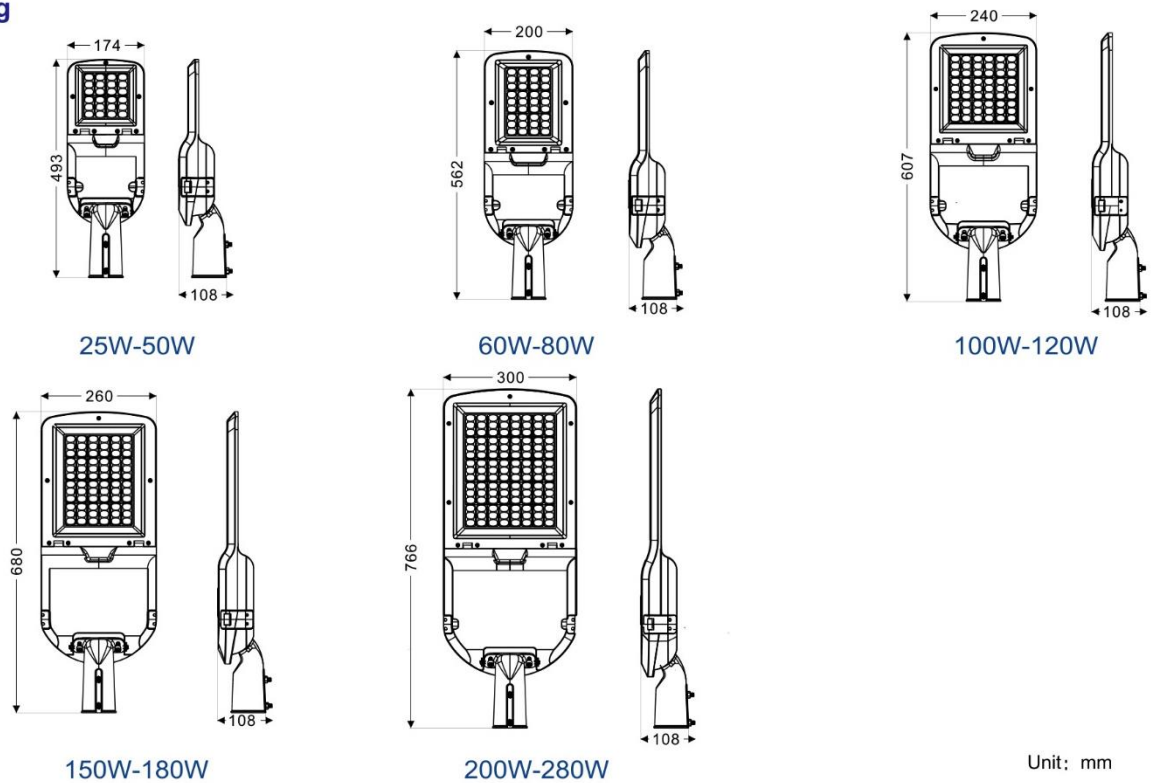
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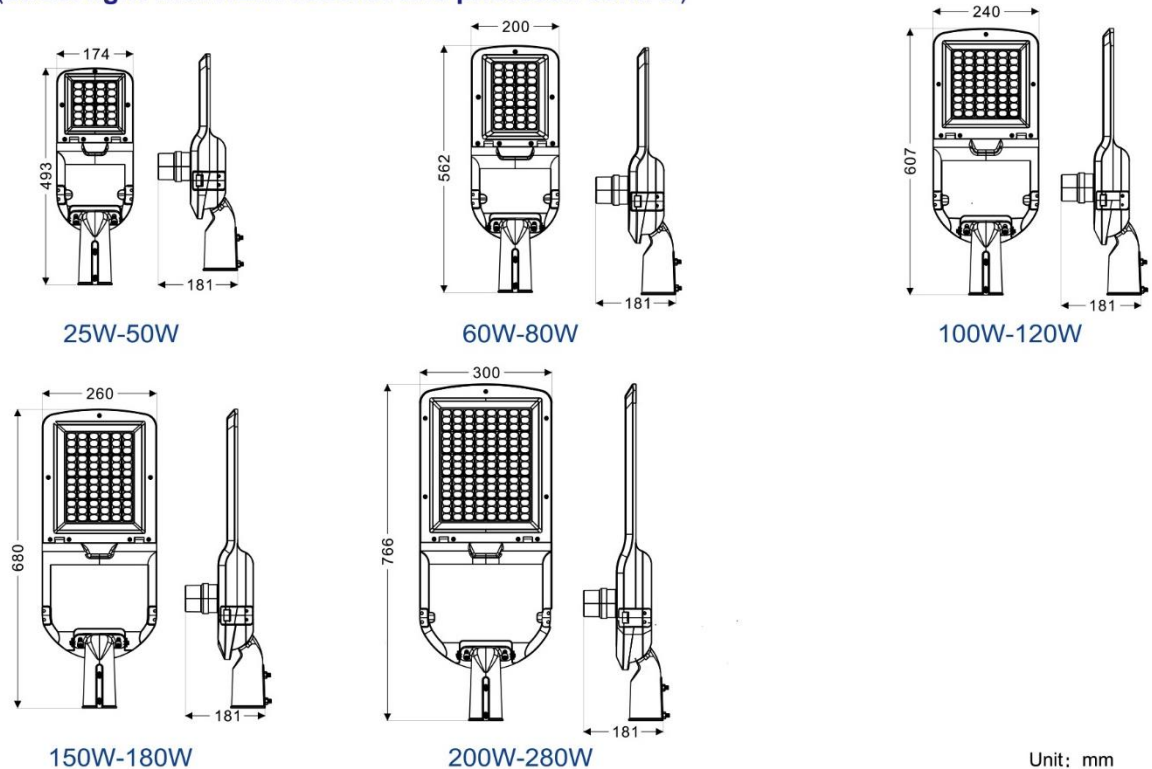
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Dimensions (mm):

Drawing



Drawing(street light with NEMA socket and photocell control)



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4	Designations		P																								
4.1	Arrangement of the IK code	IK09	P																								
4.2	Characteristic group numerals of the IK code and their meanings	IK09	P																								
	Each characteristic group numeral represents an impact energy value as shown below: <table><tr><td>IK code</td><td>IK00</td><td>IK01</td><td>IK02</td><td>IK03</td><td>IK04</td><td>IK05</td><td>IK06</td><td>IK07</td><td>IK08</td><td>IK09</td><td>IK10</td></tr><tr><td>Impact energy, J</td><td>*</td><td>0,14</td><td>0,2</td><td>0,35</td><td>0,5</td><td>0,7</td><td>1</td><td>2</td><td>5</td><td>10</td><td>20</td></tr></table> * Not protected according to this standard. NOTE 1 When higher impact energy is required, the value of 50 J is recommended. NOTE 2 A characteristic group numeral of two figures has been chosen to avoid confusion with some national standards which used a single numeral for a specific impact energy.	IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10	Impact energy, J	*	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20	10J	P
IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10																
Impact energy, J	*	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20																
4.3	Application of the IK code		P																								
	If parts of the enclosure have differing degrees of protection, they shall be indicated separately.		N/A																								
5	General requirements for tests		P																								
5.1	Atmospheric conditions for tests		P																								
	- temperature range: 15°C to 35°C,	25°C	P																								
	- air pressure: 86kPa to 106kPa,	101kPa	P																								
	- altitude: less than 2000m.	<2000m	P																								
5.2	Enclosures under test		P																								
	Each enclosure under test shall be in a clean and new condition, complete with all its parts in place unless otherwise specified in the relevant product standard.		P																								
5.3	Specifications to be given in the relevant product standard	IEC TR 62696:2011	P																								
6	Test to verify the protection against mechanical impacts		P																								
6.2	Blows shall be applied to the enclosure to be tested.		P																								
6.3	During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.		P																								
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard.		--																								
	The impacts shall be evenly distributed on the faces of the enclosure(s) under test.		P																								
	In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure. The relevant product standard shall specify the points of application of impacts.	Glass cover: 3 impacts/point; Metal enclosure: 3 impacts/point; NEMA shorting cap: 3 impacts/point; Zhaga socket cover: 3 impacts/point.	P																								
6.5	Test evaluation		P																								
	The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly		P																								
	- admissible damages.		P																								

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	- verification criteria relevant to the continuity of the safety and reliability of the equipment	Complied with electric strength test according to IEC/EN 60598-1	P
7	Test apparatus		P
	The test shall be done by using on of the test apparatus described in IEC 60068-2-75.	Vertical hammer used	P

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Appendix: Photo Documentation



Picture 1.: Overall view for 25W - 50W



Picture 2.:

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Picture 3.: Overall view for 60W - 80W



Picture 4.:

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Picture 5.: Overall view for 100W - 120W



Picture 6.:

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Picture 7.: Overall view for 150W - 180W



Picture 8.:

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Picture 9.: Overall view for 200W - 280W



Picture 10.:

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Picture 11.: NEMA socket with Shorting cap view



Picture 12.: NEMA shorting cap view

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Picture 13.: Models with Zhaga socket view



Picture 14.: Zhaga socket with cover view

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Picture 15.:

==END OF TEST REPORT==