

STREET LIGHT LEAF

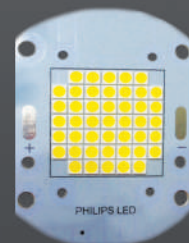
LED LEAF RANGE

FABRICAT IN MOLDOVA

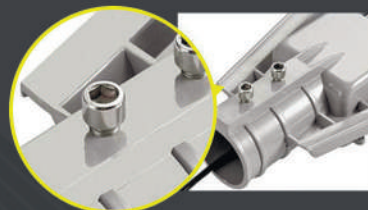
1COB

2COB

3COB



SMD
PHILIPS



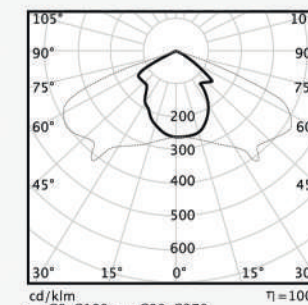
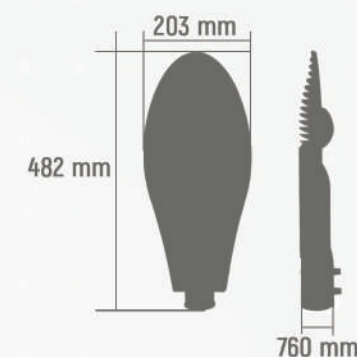
Lampile noastre stradale cu **LED** sunt menite sa inlocuiasca lampile clasice cu halogen, cu mercur, cu ioduri metalice, economice, etc. Lampa stradala cu leduri nu emite niciun fel de lumina orbitoare. Acest lucru face mult mai sigur condusul pentru soferi pe autostrazi si in zone pustii, in special in conditii meteorologice nefavorabile. Efectul de orbire cauzat de iluminatul stradal clasic provoaca o mare oboseala vizuala. Acest efect secundar este evident redus, la fel ca si accidentele rutiere, care sunt de asemenea reduse.



FABRICAT IN MOLDOVA

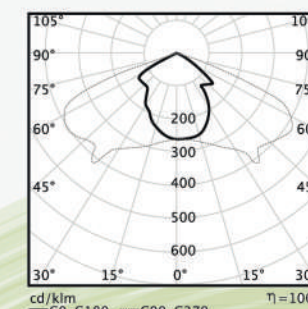
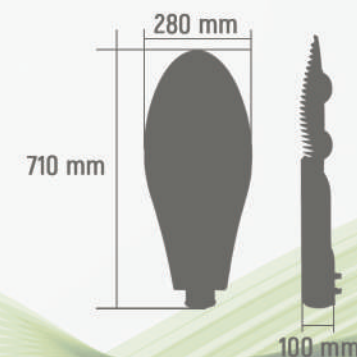
1 COB

W	30	40	50
Lm	4200	5600	7000
3 YEARS WARRANTY			
50 000 H			
IP 67			
K			
120°			
CE	RoHS	eco	FC



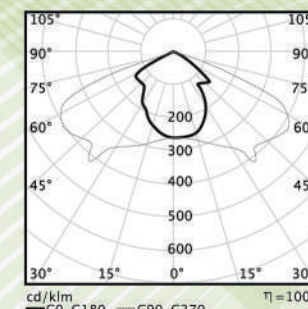
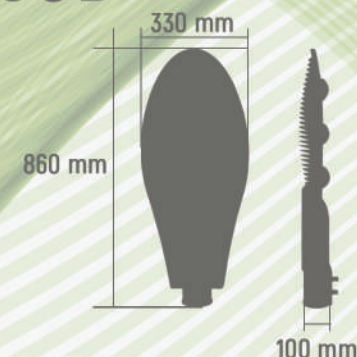
2 COB

W	60	80	100
Lm	8400	11200	14000
3 YEARS WARRANTY			
50 000 H			
IP 67			
K			
120°			
CE	RoHS	eco	FC



3 COB

W	100	150
Lm	14000	21000
3 YEARS WARRANTY		
50 000 H		
IP 67		
K		
120°		
CE	RoHS	eco



Caracteristici fototehnice ale corpului de iluminat

Producator S.C."LED MARKET"SRL

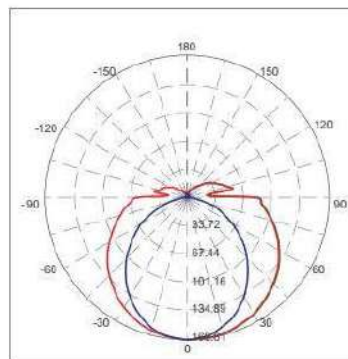
R. Moldova, or.Chisinau, B-ul Moscova 21

LED market

FABRICAT IN MOLDOVA

Datele fotometrice

Denumirea –
STREET LIGHT 50W 1COB 5700K (LEAF)



	Illuminanceata		Distance	
	Center Beam LUX		Beam Width V	Beam Width H
2m	4207 LUX		24.3m	5.0m
4m	10.52 LUX		48.7m	10.1m
6m	4.67 LUX		73.0m	15.1m
8m	2.63 LUX		97.4m	20.2m
10m	1.68 LUX		121.7m	25.2m
12m	1.17 LUX		146.1m	30.3m
Vert Spread : 161.4			Horiz Spread : 103.3	

LED
market
FABRICAT IN MOLDOVA

SC"LEDMARKET"SRL
Date tehnice



Puterea nominala (W)	50
Flux luminos(Lm)	7000lm
Protectie (IP)	IP65
Temperatura de culoare (K)	3000-6000K
Durata de viata (ore)	50000 ore
Voltaj conexiune	85-265V
Grad de difuzie	150,lentila din sticla borosilicata
CRI	80-90
Garantie	36 luni
Producator	LedMarket

Caracteristici fototehnice ale corpului de iluminat

Producator S.C."LED MARKET"SRL

R. Moldova, or.Chisinau, B-ul Moscova 21

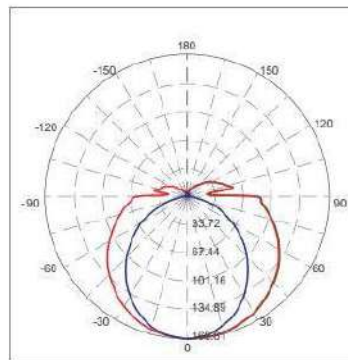
LED market

FABRICAT IN MOLDOVA

Datele fotometrice

Denumirea –STREET LIGHT 30W 1COB 6000K (LEAF)

Descriere - LED-uri de putere, tip cu eficiență energetică mare. Carcasă din aliaj pe bază de aluminiu turnat sub presiune, vopsită în camp electrostatic(culoare la cerere client), cu un design optimizat pentru a avea o mai bună disipare a căldurii. Sistem optic de înaltă eficiență cu o lentilă monobloc. Lentila monobloc și PCB-ul cu LED-uri sunt asamblate prin suruburi pentru a putea fi înlocuite în caz de defect. Montaj pe stâlp: braț fix sau ajustabil: $\pm 90^\circ$ din 3 în 3 grade (optional)



	Illuminance at Distance	
	Center Beam LUX	Beam Width V H
2m	42.07 LUX	24.3m 5.0m
4m	10.52 LUX	48.7m 10.1m
6m	4.67 LUX	73.0m 15.1m
8m	2.63 LUX	97.4m 20.2m
10m	1.68 LUX	121.7m 25.2m
12m	1.17 LUX	146.1m 30.3m
Vert Spread: 161.4		Horiz Spread: 103.3

STREET LIGHT 30W 1COB 6000K (LEAF)



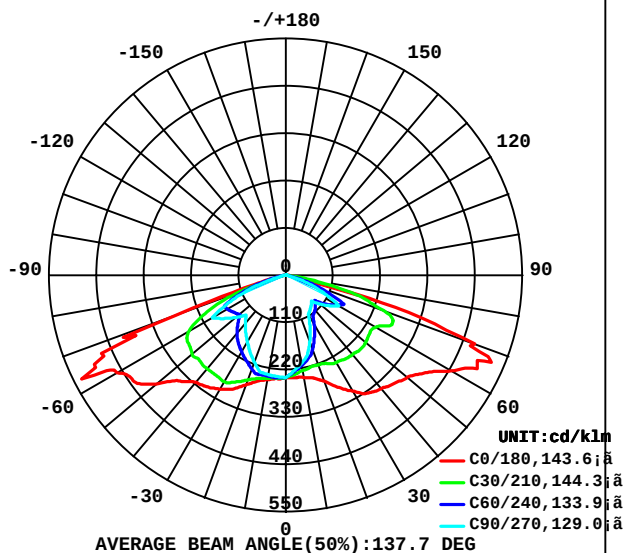
Puterea nominala (W)	30
Flux luminos(Lm)	3600lm
Protectie (IP)	IP65
Temperatura de culoare (K)	3000-6000K
Durata de viata (ore)	50000 ore
Voltaj conexiune	85-265V
Grad de difuzie	150
CRI	80-90
Garantie	36 luni
Prodicator	LedMarket

STREETLIGHT PHOTOMETRIC TEST REPORT

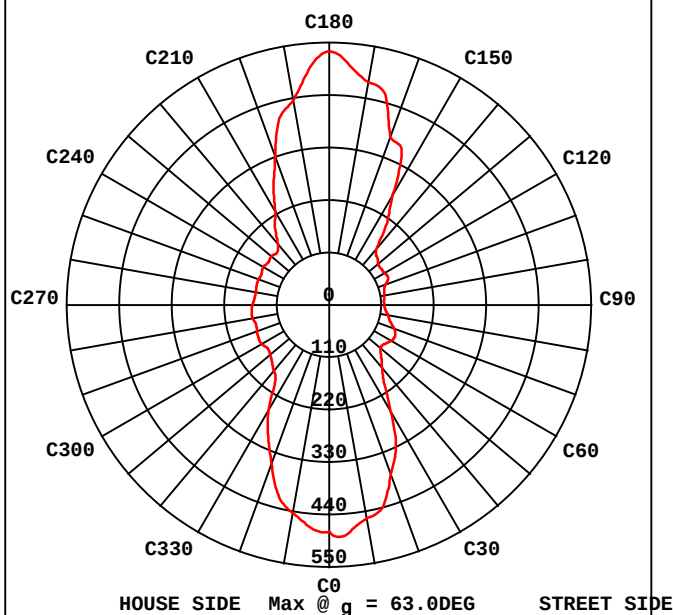
Test:U:221.6V I:0.2440A P:52.10W PF:0.9620 Lamp Flux:5789.8x1 lm		
NAME: LEAF RANGE	TYPE:50W	WEIGHT:1.7
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.25 lm/W			
MODEL	RANGE 50W, 5700K	Imax(cd/klm)	532.4	h street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	98.3	h street_down(%)	46.6
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	983.1	h house_up(%)	0.0
NOMINAL FLUX(lm)	5789.8	MAXIMUM @(C,g)	180,63.0	h house_down(%)	51.8
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.6	h down(%)	98.3	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Test Date:2019-03-21

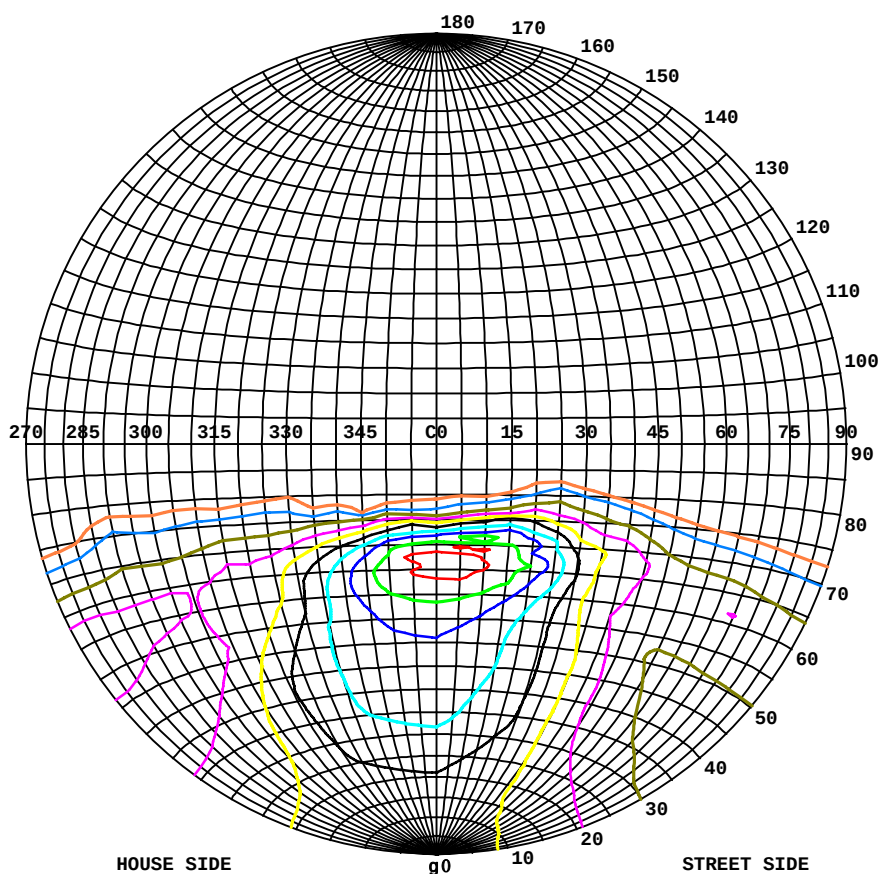
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

C:\Users\LAB\Desktop\LED\HIGH BAY\STREET\LEAF\STREET LEAF 50W 5700K.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.6V I:0.2440A P:52.10W PF:0.9620 Lamp Flux:5789.8x1 lm		
NAME: LEAF RANGE	TYPE:50W	WEIGHT:1.7
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



Classification:

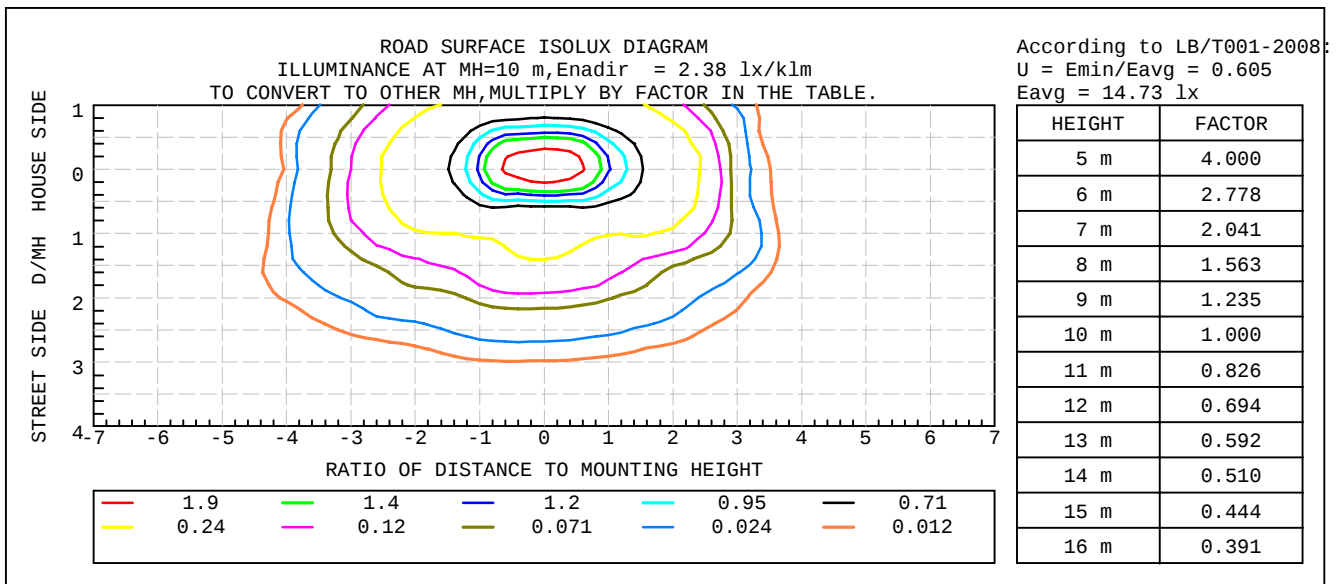
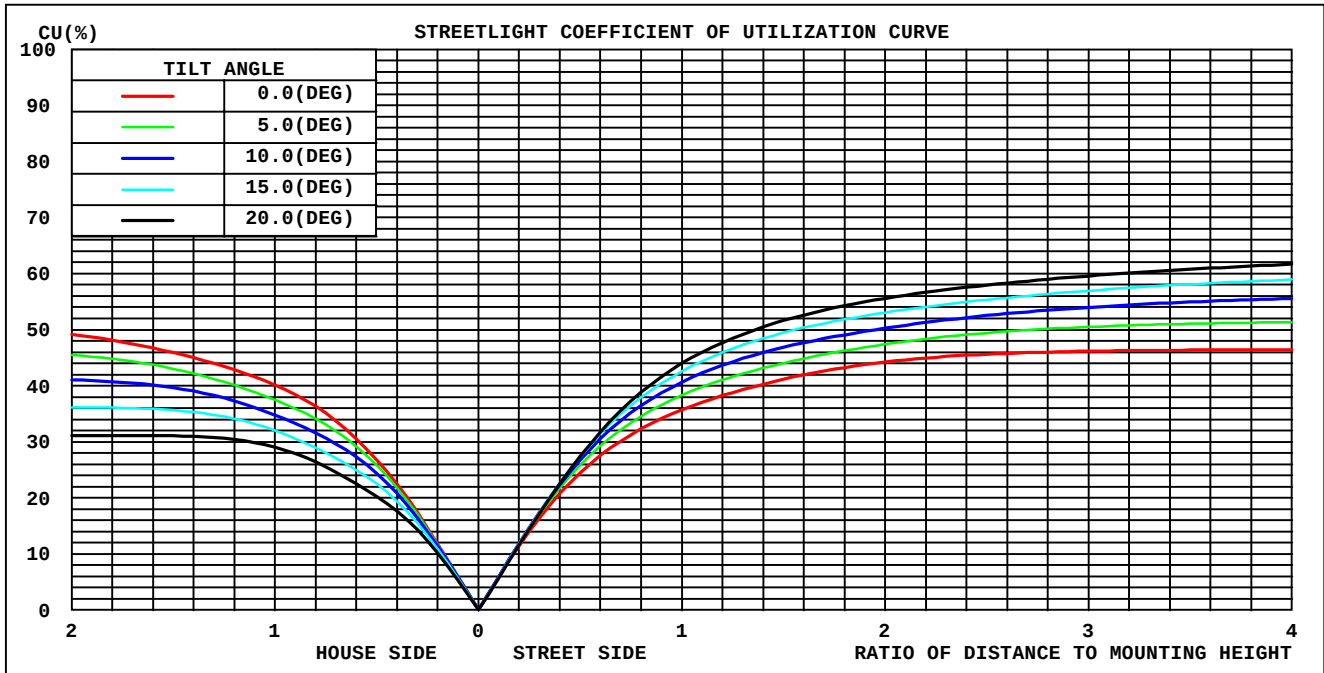
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:83.01cd/klm
 Max.At90:1.080cd/klm
 Max.80-90:83.01cd/klm
 NRB 5101:Semi limited[20.7%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	532
90%	479
80%	426
70%	373
60%	319
50%	266
40%	213
30%	160
20%	106
10%	53
5%	27

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 Test Date:2019-03-21

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 22DEG
Test Date: 2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:221.6V I:0.2440A P:52.10W PF:0.9620 Lamp Flux:5789.8x1 lm		
NAME: LEAF RANGE	TYPE:50W	WEIGHT:1.7
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

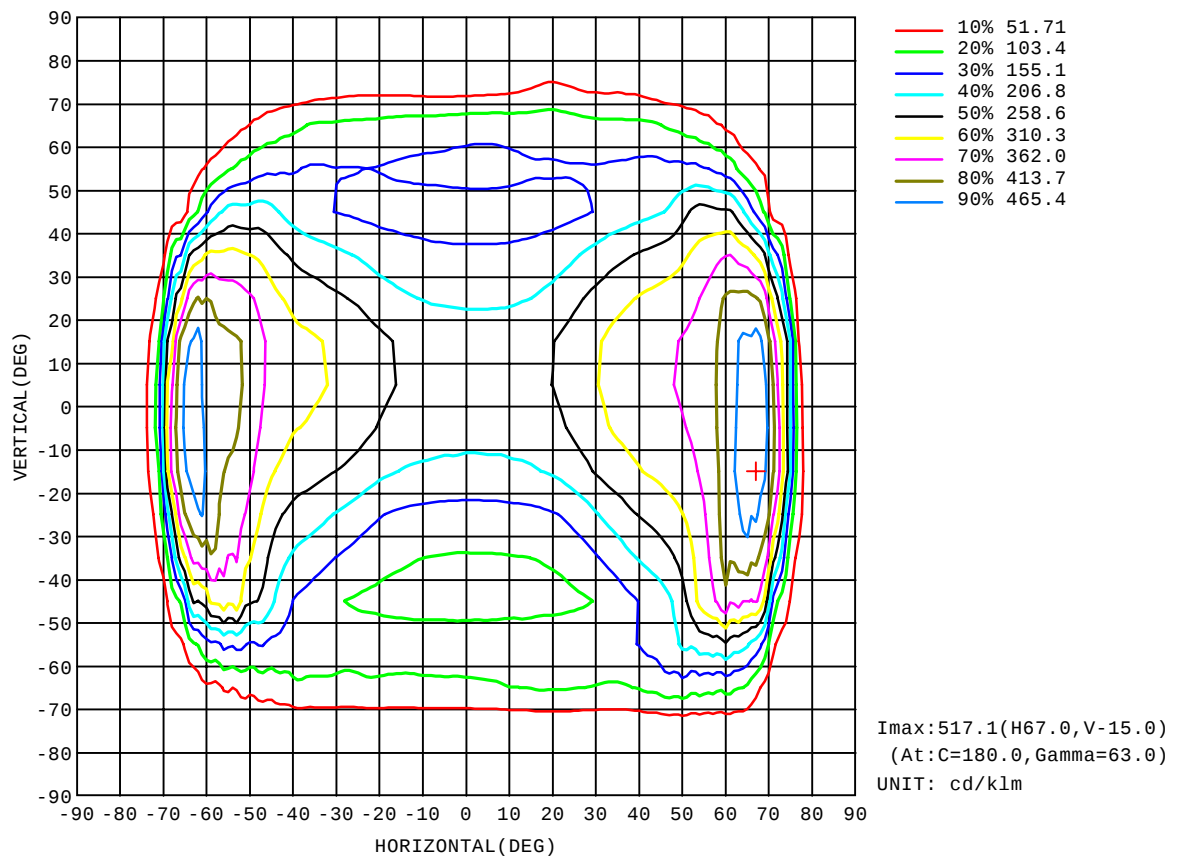
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
5	240.0	228.9	223.6	230.9	241.6	240.5	236.7	238.1	0- 5	5.644	5.644	0.57,0.56
10	241.7	218.6	208.9	221.1	247.0	240.7	235.0	236.9	5- 10	16.63	22.28	2.27,2.23
15	247.5	211.1	194.2	213.1	254.7	244.3	233.4	238.1	10- 15	27.25	49.52	5.04,4.95
20	262.5	202.9	164.8	204.6	271.6	249.2	215.5	240.9	15- 20	37.37	86.89	8.84,8.69
25	287.2	188.2	135.4	190.6	292.4	246.0	197.5	238.6	20- 25	46.68	133.6	13.6,13.4
30	311.3	172.1	105.9	176.8	306.0	242.1	179.6	237.4	25- 30	55.38	189.0	19.2,18.9
35	335.1	161.2	99.34	166.4	317.3	239.5	163.3	239.0	30- 35	63.39	252.3	25.7,25.2
40	344.8	153.0	92.73	158.1	325.4	232.9	147.0	240.1	35- 40	71.05	323.4	32.9,32.3
45	357.0	152.5	86.13	150.7	348.0	213.7	130.7	224.5	40- 45	77.60	401.0	40.8,40.1
50	369.7	143.6	105.4	140.5	393.9	191.1	153.5	204.2	45- 50	84.47	485.5	49.4,48.5
55	395.8	134.6	124.7	128.6	431.0	162.9	176.3	176.7	50- 55	94.71	580.2	59.58
60	445.4	148.9	143.9	139.8	454.5	163.6	199.1	174.4	55- 60	106.6	686.7	69.9,68.7
65	490.7	159.3	97.18	142.2	490.6	147.7	136.4	166.7	60- 65	115.7	802.4	81.6,80.2
70	468.1	140.7	50.41	102.2	275.1	106.4	73.65	134.1	65- 70	103.2	905.6	92.1,90.6
75	173.7	68.86	3.646	49.65	39.01	51.19	10.94	67.88	70- 75	59.15	964.7	98.1,96.5
80	14.44	4.106	0	3.024	6.798	3.280	0	6.828	75- 80	16.18	980.9	99.8,98.1
85	4.040	0	0	0	2.484	0	0	0	80- 85	1.969	982.9	100,98.3
90	0.9348	0	0	0	1.080	0	0	0	85- 90	0.1984	983.1	100,98.3
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Test Date:2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

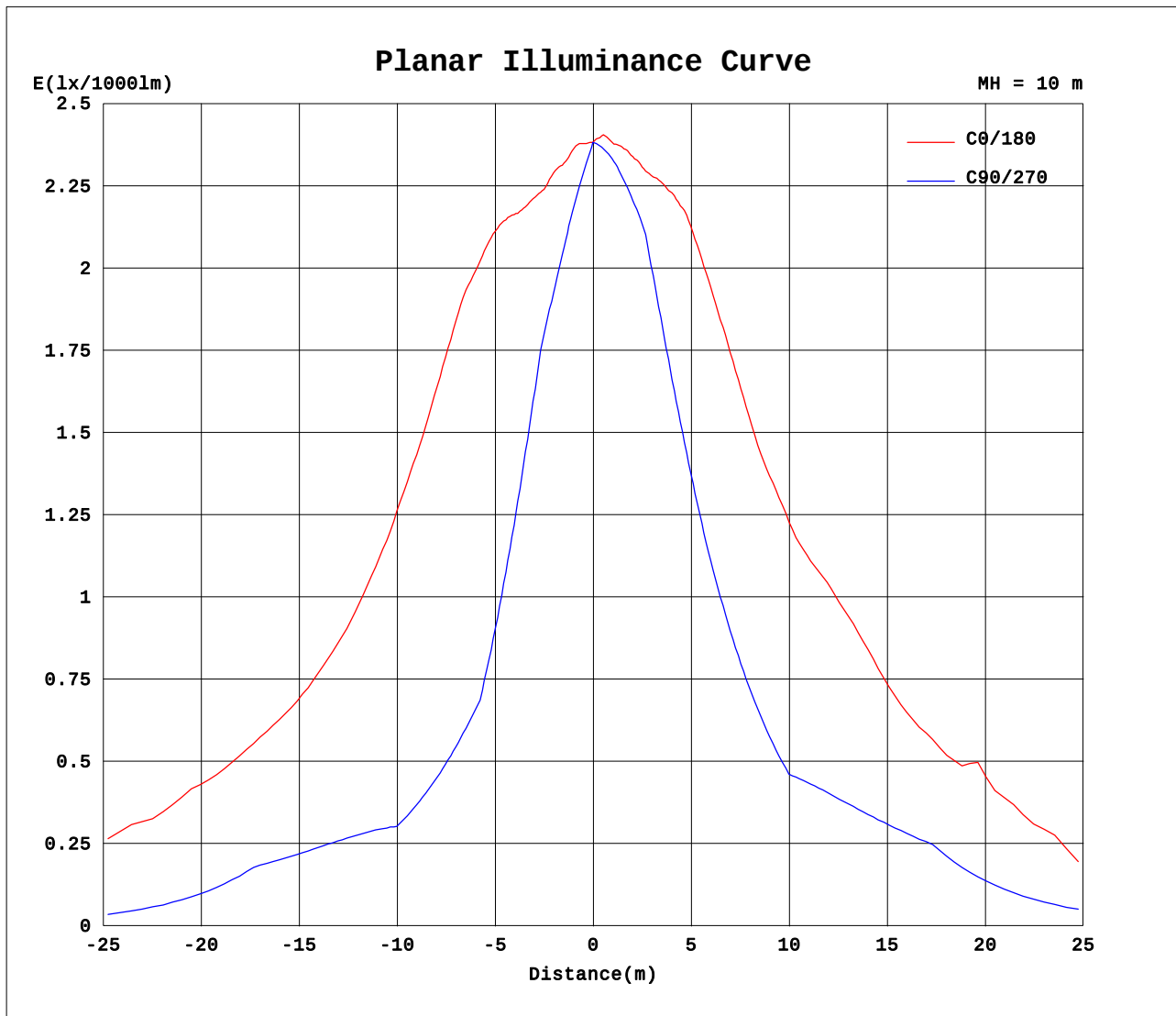
Test:U:221.6V I:0.2440A P:52.10W PF:0.9620 Lamp Flux:5789.8x1 lm		
NAME: LEAF RANGE	TYPE:50W	WEIGHT:1.7
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Test Date:2019-03-21

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g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
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Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 22DEG
Test Date: 2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:



Certificate of Conformity

Certificate No. : ECT2017E03074-Y3

Applicant : SC "LED MARKET" SRL
: Moldova, mun.Chisinau, bd. Moscova 14/1, ap.143

Manufacturer : SC "LED MARKET" SRL
: Moldova, mun.Chisinau, bd. Moscova 14/1, ap.143

Product : LED Street light

Trade Name : GRUNLED

Model : Street LEAF range: 30W,50W,60W,80W,100W,120W,150W
Street FUSION range: 19W, 34W,36W, 65W,42W, 51W,55W, 62W,70W,
90W,104W, 135W, 125W, 150W, 180W, 165W

Test Standards : EN 55015:2013+A1:2015
EN 61547:2009
EN 61000-3-2:2014
EN 61000-3-3:2013

The EUT described above has been tested by us with the listed standards and found in compliance with the council **EMC** directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this **EMC** directive.



Date : Mar .28 .2017

The results in this report are applicable only to the equipment tested. This report shall not be re-produced except in full without the written approval of Shenzhen ECT Testing Technology Co., Ltd

Shenzhen ECT Testing Technology Co., Ltd

Room 1106,Era Innovation Center, Xixiang gushu second road,Baoan district, Shenzhen city, China

Tel: +86-755-23062275

Fax: +86-755-26609102

<http://www.ECT-LAB.com>



CERTIFICAT DE INREGISTRARE

Acest certificat confirma faptul că sistemul de management al

"LED MARKET" SRL

MD-2029, șos. Muncești, nr. 801, mun. Chișinău,
Republica Moldova

a fost auditat și aprobat de către
Quay Audit UK Ltd pentru următorul standard de management :

BS EN ISO 14001:2015

Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Producerea și comercializarea produselor de iluminat de tip LED

Acest certificat se aplica pentru acele domenii de activitate descrise
în Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

2740 & 4759

Aprobat initial la **25 Aprilie 2019**

Certificare initiala la **25 Aprilie 2019**

Certificatul expira la **25 Aprilie 2022**

Numarul certificatului **4156667**



În numele **Quay Audit UK Limited**



www.ascb.com



www.global-accreditation.org



www.irqao.com

Acesta este un certificate acreditat și autorizat pentru emitere de către Accreditation Service for Certifying Bodies (Europe) Limited, evaluat de către Quay Audit UK Limited în conformitate cu ISO 17021:2006 "Evaluarea conformității. Cerințe pentru organisme care efectuează audit și certificare de sisteme de management". Acest certificat este valabil numai atunci când este înscris în registrul International Register of Quality Assessed Organisations: www.irqao.com

Grove House 8 St. Julian's Friars Shrewsbury Shropshire SY1 1XL | (44)1743 351677 | post@quayaudit.co.uk | www.quayaudit.co.uk



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Republica Moldova

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Quay Audit UK Ltd pentru următorul standard de management :

BS EN ISO 9001:2015

Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Producerea și comercializarea produselor de iluminat de tip LED

Acest certificat se aplica pentru acele domenii de activitate descrise
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2740 & 4759

Aprobat initial la **25 Aprilie 2019**
Certificare initiala la **25 Aprilie 2019**
Certificatul expira la **25 Aprilie 2022**
Numarul certificatului **4156666**



În numele **Quay Audit UK Limited**



www.ascb.com



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REGISTRATION CERTIFICATE

This certificate confirms that the management systems of

"LED MARKET" SRL

MD-2029, șos. Muncești, nr. 801, mun. Chișinău, Republica Moldova

have been audited and approved by

Quay Audit UK Ltd to the following management standard:

BS EN ISO 45001:2018

The approved management systems apply to the following scope:

Production and Marketing of LED Lighting Products

This certificate is restricted to those scopes of business activity described
in the internationally recognised NACE Codes listed below:

2740 & 4759

Original Approval **12 July 2019**

Current Certificate **12 July 2019**

Certificate Expiry **12 July 2022**

Registration Number **4156714**



On behalf of **Quay Audit UK Limited**



www.ascb.com



www.global-accreditation.org



www.irqao.com

This is an accredited certificate authorised for issue by Accreditation Service for Certifying Bodies (Europe) Limited who have assessed Quay Audit UK Limited against defined criteria and in cognisance of ISO 17021:2011 'Conformity Assessment - Requirements for bodies providing audit and certification of management systems'. This certificate is only valid when confirmed by the register listed in the International Register of Quality Assessed Organisations: www.irqao.com

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"LED MARKET" SRL

MD-2029, șos. Muncești, nr. 801, mun. Chișinău, Republica Moldova

a fost auditat și aprobat de către

Quay Audit UK Ltd pentru următorul standard de management :

BS EN ISO 45001:2018

Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Producerea și comercializarea produselor de iluminat de tip LED

Acest certificat se aplica pentru acele domenii de activitate descrise
în Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

2740 & 4759

Aprobat initial la	12 Iulie 2019
Certificare initiala la	12 Iulie 2019
Certificatul expira la	12 Iulie 2022
Numarul certificatului	4156714



În numele **Quay Audit UK Limited**



www.ascb.com



www.global-accreditation.org



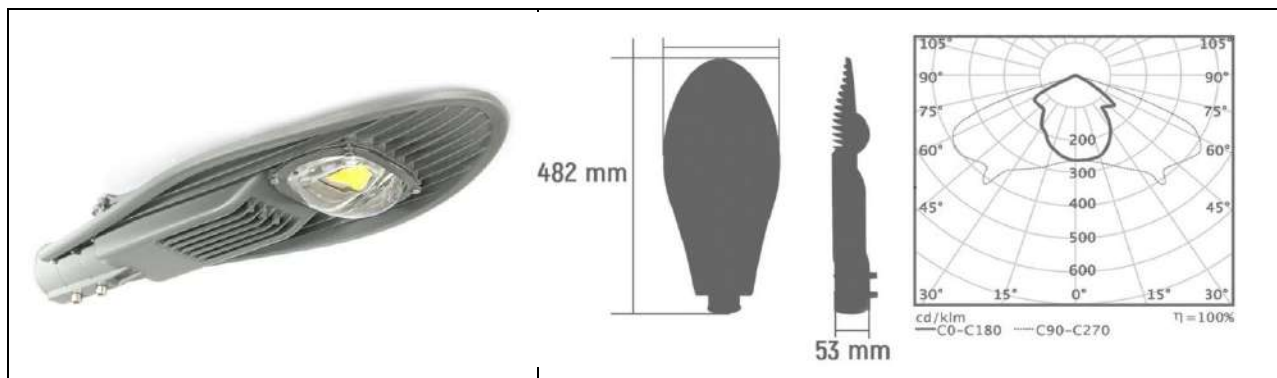
www.irqao.com

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LED market	BC 'Mobiasbanca-OTP Group'SA		BIC	MOBBMD22		
	Banca beneficiara					
	Cod fiscal	1004600060124	IBAN	MD21MO2224ASV63167697100		

Datele tehnice: Street Light LEAF-2 30W-50W

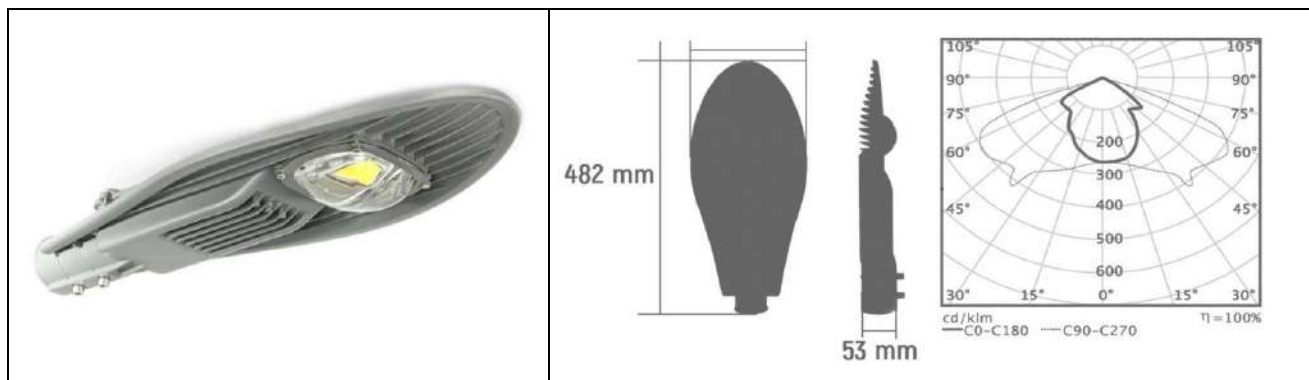


Lungime (Mm)		482
Lățime (Mm)		280
Înălțime (Mm)		53
Puterea De Iluminare (W)		30 - 50
Numărul De Lumeni (Lm)		3300-5500
Garanția (Luni):		36
Tensiunea De Lucru (V)		220
Protecție		IP65
Durata De Viață (H):		50000
Material Carcasă		Aluminiu
Indicele De Redare Al Culoarii (Ra)		90
Clasa Energetica :		A
Timp Pornire (S):		0.2
Greutatea felinarului kg:		1,4



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