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LED

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ENGLISH:

OPTONICA is one of the most rapidly developing trademarks in the LED lighting industry worldwide. The renowned brand is a mixture of energy saving quality, yet providing excellent level of bright light, by means of wider key market access in Europe, Panama, Dubai and flexible trading mutually beneficial practices, focused entirely on the needs of our established partners in Europe, Asia, the Far and Middle East, and Africa.

OPTONICA's vision is that we are all responsible for energy saving in a world of scarce and drastically increasing resource prices and that we should leave our children a cleaner, healthier and brighter planet. Irrespective of whether you need to furnish your household, carry out an infrastructure project, construction or industrial requirements, hotels, commercial centers, shopping malls or offices, our portfolio offers a full product range

In spite of the fact that the night is somehow charming, we offer you to become a part of brighter LED future.

GERMAN:

OPTONICA ist eine der sich am schnellsten entwickelnden Marken im Bereich der LED Beleuchtung weltweit. Der renommierte Brand ist eine Synergie von hoher Qualität, kompromisslose Lichtausgabe und optimales Energieersparnis. Durch die internationale Präsenz in Schlüsselmärkte in Europa, Panama und Dubai werden flexible und komplexe Dienstleistungen angeboten, die ganz an den Ansprüchen unserer Kunden und Partner in Europa, Asien, der Nahe und Mittlere Osten und Afrika gerichtet sind.

Unser Motto ist, dass wir in gewissen Maßen die Verantwortung tragen in dieser Welt von teuren Ressourcen den Energieverbrauch zu senken, damit wir unseren Kindern eine saubere und besser leuchtende Erde hinterlassen können. Wir bieten eine vielfältige Produktpalette mit breiten Anwendungsmöglichkeiten in Wohnungen, Büros, Geschäften, Hotels, Gewerbe- und Industrieflächen.

Obwohl die Nacht sehr charmant sein kann, werden Sie ein Teil einer helleren LED Zukunft!

RUSSIAN:

ОПТОНИКА является наиболее быстро утверждающимся развивающимся брендом в области светодиодного освещения в мировом масштабе. Реномированный бренд является симбиозом качества, позволяющим достичь высокие коэффициенты энергосбережения без компромиссов со светоотдачей, а также яркого международного присутствия на ключевых рынках в Европе, Панаме и Дубае посредством взаимовыгодных торговых практик, полностью сосредоточенных на потребностях наших клиентов и партнеров в Европе, Азии, на Ближнем и Среднем Востоке и Африке.

Кредо компании ОПТОНИКА заключается в том, что все мы в значительной степени ответственны за снижение потребления энергии в мире все более уменьшающихся и дорогостоящих ресурсов, чтобы оставить нашим детям чистую и наилучшим образом освещенную планету. Независимо от того, идет ли речь о домашних хозяйствах, инфраструктурных проектах, жилых и промышленных потребностях, отелях, торговых центрах или офисах, наше портфолио предлагает богатый и полный ассортимент продукции.

Несмотря на то, что ночь обладает своим очарованием, мы предлагаем вам стать частью более яркого СВЕТОДИОДНОГО будущего.

GREEK:

Η OPTONICA είναι μία από τις ταχύτερα αναπτυσσόμενες μάρκες στον τομέα του φωτισμού με διόδους εκπομπής φωτός σε όλο τον κόσμο. Η διάσημη μάρκα αποτελεί συνδυασμός ποιότητας που επιτρέπει υψηλές τιμές εξοικονόμησης ενέργειας, χωρίς να διακυβεύεται η απόδοση φωτός, και έχει φωτεινή διεθνή παρουσία σε σημαντικές αγορές στην Ευρώπη, τον Παναμά και το Ντουμπάι μέσω ευέλικτων, αμοιβαία επωφελών εμπορικών πρακτικών, που επικεντρώνονται αποκλειστικά στις ανάγκες των πελατών και των συνεργατών μας από την Ευρώπη, την Ασία, από την Εγγύ και Μέση Ανατολή και την Αφρική.

Το πιστεύω της OPTONICA είναι ότι όλοι μας είμαστε σε μεγάλο βαθμό υπεύθυνοι για τη μείωση της κατανάλωσης ενέργειας σε έναν κόσμο των όλο και πιο σπάνιων και ακριβών πόρων, για να αφήσουμε στα παιδιά μας έναν καθαρό και καλά φωτισμένο πλανήτη. Ανεξάρτητα από το εάν προκειται για νοικοκυριά, έργα υποδομής, για ανάγκες κτιρίων και για βιομηχανικές χρήσεις, για ξενοδοχεία, εμπορικά κέντρα ή γραφεία, το χαρτοφυλάκιό μας προσφέρει μια ευρεία και πλήρη γκάμα προϊόντων.

Αν και η νύχτα έχει τη γοητεία του, σας προτείνουμε να γίνετε μέρος ενός φωτεινότερου μέλλοντος των ΔΙΟΔΩΝ ΕΚΠΟΜΠΗΣ ΦΩΤΟΣ.

HUNGARIAN:

Az OPTONICA a LED világítás területén világ viszonylatban az egyik leggyorsabban fejlődő vállalkozás.

Az OPTONICA legfőbb elve szerint mindenki nagymértékben felelős azért, hogy csökkenjen az energia felhasználás egy olyan világban, amelyben egyre kevesebb és drága erőforrás van, valamint gyermekeinknek egy tisztább bolygót hagyjunk örökül. Függetlenül attól, hogy háztartásokról vagy ipari, kereskedelmi szükségletekről van szó, olyan széles termék kínálattal rendelkezünk, amely minden igényt kielégít.

Annak ellenére, hogy az éjszakának bizonyos varázsa van, ajánljuk, lépjenek be egy ragyogó VILÁGÍTÓ DIÓDÁS jövőbe.



LED spot 3W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1101 / SP1102	MR16	3W	12V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm
SP1103 / SP1104	MR16	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm
SP1201 / SP1202	GU10	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm
SP1301 / SP1302	E27	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm
SP1401 / SP1402	E14	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm



LED spot 4W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1105 / SP1106	MR16	4W	220V	360 - 400 lm	WH / WW	>50.000 H	φ50x50 mm
SP1107 / SP1108	MR16	4W	12V	360 - 400 lm	WH / WW	>50.000 H	φ50x50 mm
SP1203 / SP1204	GU10	4W	220V	360 - 400 lm	WH / WW	>50.000 H	φ50x50 mm
SP1303 / SP1304	E27	4W	220V	360 - 400 lm	WH / WW	>50.000 H	φ50x50 mm
SP1403 / SP1404	E14	4W	220V	360 - 400 lm	WH / WW	>50.000 H	φ50x50 mm



LED spot ceramic 3W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1116 / SP1117	MR16	3W	12V	270 - 300 lm	WH / WW	>50.000 H	φ50x50 mm
SP1207 / SP1208	GU10	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ50x58 mm



LED spot 6-9W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1112 / SP1113	MR16	3*2W	12V	540 - 600 lm	WH / WW	>50.000 H	φ50x88 mm
SP1209 / SP1210	GU10	3*2W	220V	540 - 600 lm	WH / WW	>50.000 H	φ50x95 mm
SP1235 / SP1236	GU10	3*3W	220V	810 - 900 lm	WH / WW	>50.000 H	φ50x95 mm



LED spot COB 3W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1121 / SP1122	MR16	3W	220V	200 lm	WH / WW	>50.000 H	φ50x55 mm
SP1221 / SP1222	GU10	3W	220V	220 lm	WH / WW	>50.000 H	φ50x60 mm



LED spot COB 3W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1123 / SP1124	MR16	3W	220V	220 lm	WH / WW	>50.000 H	φ50x75 mm
SP1110/SP1118	MR16	3W	12V	220 lm	WH / WW	>50.000 H	φ50x75 mm
SP1223/SP1224	GU10	3W	12V	220 lm	WH / WW	>50.000 H	φ50x75 mm



LED spot COB 5W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1125 / SP1126	MR16	5W	220V	220 lm	WH / WW	>50.000 H	φ50x75 mm





LED bulb 5-7-10W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1309/ SP1310	E27	5W	220V	450 - 500 lm	WH / WW	>50.000 H	φ60x105 mm
SP1314/ SP1315	E27	7W	220V	630 - 700 lm	WH / WW	>50.000 H	φ60x105 mm
SP1316/ SP1317	E27	10W	220V	900 - 1000 lm	WH / WW	>50.000 H	φ60x105 mm
SP1329/ SP1330 - DIM	E27	5W	220V	450 - 500 lm	WH / WW	>50.000 H	φ60x105 mm
SP1361/ SP1362/ SP1363	E27	6W	220V	510 lm	WH/ WW/DAY	>50.000 H	φ60x105 mm
SP1391/ SP1392/ SP1393	E27	9W	220V	720 lm	WH/ WW/DAY	>50.000 H	φ70x130 mm



LED candle 3-4W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1405/ SP1406	E14	3W	220V	270 - 300 lm	WH / WW	>50.000 H	φ35x140 mm
SP1407/ SP1408	E14	4W	220V	360 - 400 lm	WH / WW	>50.000 H	φ35x140 mm
SP1411/ SP1412/ SP1413	E14	3W	220V	270 - 300 lm	WH/ WW/DAY	>50.000 H	φ35x140 mm



LED PAR 5-7-12W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1503/ SP1504	E27	5W	220V	450 - 500 lm	WH / WW	>50.000 H	φ75x80 mm
SP1505/ SP1506	E27	7W	220V	630 - 700 lm	WH / WW	>50.000 H	φ95x80 mm
SP1501	E27	12W	220V	1080 - 1200 lm	WW	>50.000 H	φ120x120 mm



LED AR111 7W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1507/ SP1508	AR111	7W	220V	630 - 700 lm	WH / WW	>50.000 H	φ111x60 mm



LED Spot 3-4W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1062	MR11	3W	12V	270 - 300 lm	WW	>50.000 H	φ50x45 mm
SP1162	MR16	4W	12V	360 - 400 lm	WW	>50.000 H	φ50x45 mm
SP1262	GU10	4W	220V	360 - 400 lm	WW	>50.000 H	φ50x45 mm



LED Tube T8 8-9-14-18-20-30W - MAT

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
TU5601 / TU5602	T8	8W	220V	810 - 900 lm	WH / WW	>50.000 H	60 cm
TU5603/ TU5604	T8	14W	220V	1260 - 1400 lm	WH / WW	>50.000 H	120 cm
TU5605/ TU5606	T8	20W	220V	1800 - 2000 lm	WH / WW	>50.000 H	150 cm
TU5611/TU5612/TU5613	T8	9W	220V	950 lm	WH/WW/ DAY	>50.000 H	60 cm
TU5623/TU5624/TU5625	T8	18W	220V	1900 lm	WH/WW/ DAY	>50.000 H	120 cm
TU5635/TU5636/TU5637	T8	30W	220V	3150 lm	WH/WW/ DAY	>50.000 H	150 cm



LED G24 4-7.2-8.8-12W

Item Nº	Socket	Power	Input voltage	FLUX	Light color	Life span	Dimensions
SP1701	G24	4W	220V	360 - 400 lm	WH	>50.000 H	35x125 mm
SP1703	G24	7.2W	220V	648 - 720 lm	WH	>50.000 H	35x125 mm
SP1705	G24	8.8W	220V	792 - 880 lm	WH	>50.000 H	35x136 mm
SP1707	G24	12W	220V	1080 - 1200 lm	WH	>50.000 H	35x162 mm

LED G4 1W/12V



LED G4 2.4W/12V



LED G9 2W/220V



LED G9 3W/220V



Item Nº	SP1601
Power	1W
Input voltage	12V
FLUX	90- 100 lm
Light color	WW
Life span	>50.000 H

Item Nº	SP1603/SP1604
Power	2.4W
Input voltage	12V
FLUX	216 - 240 lm
Light color	WW/WH
Life span	>50.000 H

Item Nº	SP1605/SP1606
Power	2W
Input voltage	220V
FLUX	180 - 200 lm
Light color	WW/WH
Life span	>50.000 H

Item Nº	SP1607/ SP1608
Power	3W
Input voltage	AC100 - 240V
FLUX	270 - 300 lm
Light color	WH/WW
Life span	>50.000 H

LED BULB E27 DIMMABLE 8W 220V



Item Nº	SP1312
Socket	E27
Power	8W
Input voltage	220V
FLUX	> 650 lm
Light color	WH
Life span	>50.000 H
Dimensions	φ65x110 mm

LED BULB E27 5W 220V



Item Nº	SP1313
Socket	E27
Power	5W
Input voltage	220V
FLUX	> 360 lm
Light color	WH
Life span	>50.000 H
Dimensions	φ65x110 mm



LED SPOT MR16 4,5*1W

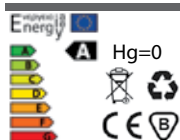


Item Nº	SP1111
Power	4.5W
Input voltage	12V
FLUX	> 220 lm
Light color	WH
Life span	>50.000 H
Dimensions	φ50x55 mm

LED SPOT DIMMABLE GU10 4,5*1W



Item Nº	SP1205
Power	4.5W
Input voltage	220V
FLUX	> 220 lm
Light color	WH
Life span	>50.000 H
Dimensions	φ50x60 mm



LED downlight 1W RD mini



φ25

Item Nº	DL2101 / DL2115
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	φ30x20 mm

LED downlight 1W SQ mini



φ25

Item Nº	DL2102 / DL2116
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	30x30x16 mm

LED downlight 1W RD



φ40

Item Nº	DL2103 / DL2125
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	φ52x32 mm

LED downlight 1W SQ



φ45

Item Nº	DL2104 / DL2126
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	52x52x32 mm

LED downlight 1W RD



φ60

Item Nº	DL2105 / DL2106
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	φ70x30 mm

LED downlight 1W SQ



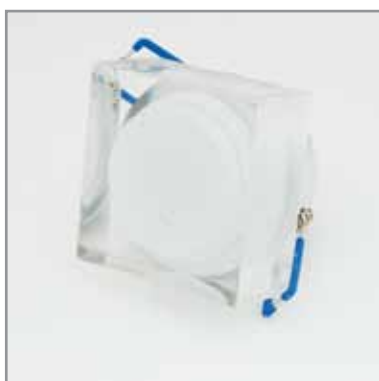
φ55

Item Nº	DL2107 / DL2108
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH / WW
Life span	>50.000 H
Dimensions	70x70x33 mm



LED downlight 1 - 3W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2111/ DL2112	1W	AC100 - 240V	90 - 100 lm	WH/WW	>50.000 H	φ45x40 mm	φ35
DL2120/ DL2121	3W	AC100 - 240V	270 - 300 lm	WH/WW	>50.000 H	φ70x55 mm	φ60



LED downlight 1 - 3W SQ

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2113/ DL2114	1W	AC100 - 240V	90 - 100 lm	WH/WW	>50.000 H	45x45x40 mm	φ35
DL2122/ DL2123	3W	AC100 - 240V	270 - 300 lm	WH/WW	>50.000 H	70x70x55 mm	φ60

LED downlight 1W RD



φ55

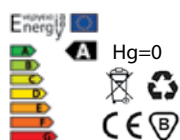
Item Nº	DL2109/ DL2199
Power	1W
Input voltage	AC100 - 240V
FLUX	110 lm
Light color	WH/WW
Life span	>50.000 H
Dimensions	φ65x40 mm

LED downlight 1W SQ



φ55

Item Nº	DL2110/ DL2117
Power	1W
Input voltage	AC100 - 240V
FLUX	90 - 100 lm
Light color	WH/WW
Life span	>50.000 H
Dimensions	60x60x40 mm





LED downlight 3 - 4W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2131	3W	AC100 - 240V	270 - 300 lm	WH	>50.000 H	φ90x45 mm
DL2132	3W	AC100 - 240V	270 - 300 lm	WW	>50.000 H	φ90x45 mm
DL2143	4W	AC100 - 240V	360 - 400 lm	WH	>50.000 H	φ90x45 mm
DL2144	4W	AC100 - 240V	360 - 400 lm	WW	>50.000 H	φ90x45 mm



LED downlight 3 - 4W SQ

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2133	3W	AC100 - 240V	270 - 300 lm	WH	>50.000 H	85x85x45 mm
DL2134	3W	AC100 - 240V	270 - 300 lm	WW	>50.000 H	85x85x45 mm
DL2145	4W	AC100 - 240V	360 - 400 lm	WH	>50.000 H	85x85x45 mm
DL2146	4W	AC100 - 240V	360 - 400 lm	WW	>50.000 H	85x85x45 mm



LED downlight 3 - 4W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2205	3W	AC100 - 240V	270 - 300 lm	WH	>50.000 H	φ50x35 mm
DL2206	3W	AC100 - 240V	270 - 300 lm	WW	>50.000 H	φ50x35 mm
DL2207	4W	AC100 - 240V	360 - 400 lm	WH	>50.000 H	φ50x65 mm
DL2208	4W	AC100 - 240V	360 - 400 lm	WW	>50.000 H	φ50x65 mm





LED downlight 3 - 4 - 5 - 6 - 7 - 9 - 12W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2139 / DL2140	3W	AC100 - 240V	270 - 300 lm	WH / WW	>50.000 H	φ110x70 mm	φ95
DL2147 / DL2148	4W	AC100 - 240V	360 - 400 lm	WH / WW	>50.000 H	φ110x70 mm	φ95
DL2152 / DL2153	5W	AC100 - 240V	450 - 500 lm	WH / WW	>50.000 H	φ140x75 mm	φ120
DL2156 / DL2157	6W	AC100 - 240V	540 - 600 lm	WH / WW	>50.000 H	φ140x75 mm	φ120
DL2160 / DL2161	7W	AC100 - 240V	630 - 700 lm	WH / WW	>50.000 H	φ140x75 mm	φ120
DL2166 / DL2167	9W	AC100 - 240V	810 - 900 lm	WH / WW	>50.000 H	φ180x75 mm	φ165
DL2170 / DL2171	12W	AC100 - 240V	1080 - 1200 lm	WH / WW	>50.000 H	φ180x75 mm	φ165



LED downlight 3 - 5 - 7 - 9 - 12 - 15W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2141 / DL2142	3W	AC100 - 240V	270 - 300 lm	WH / WW	>50.000 H	φ80x50 mm	φ65
DL2154 / DL2155	5W	AC100 - 240V	450 - 500 lm	WH / WW	>50.000 H	φ90x55 mm	φ80
DL2162 / DL2163	7W	AC100 - 240V	630 - 700 lm	WH / WW	>50.000 H	φ100x65 mm	φ90
DL2168 / DL2169	9W	AC100 - 240V	810 - 900 lm	WH / WW	>50.000 H	φ120x80 mm	φ110
DL2172 / DL2173	12W	AC100 - 240V	1080 - 1200 lm	WH / WW	>50.000 H	φ135x90 mm	φ115
DL2174 / DL2175	15W	AC100 - 240V	1350 - 1500 lm	WH / WW	>50.000 H	φ138x105 mm	φ125



LED downlight 3 - 5W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2190 / DL2191	5W	AC100 - 240V	450 - 500 lm	WH/WW	>50.000 H	φ120x50 mm	φ95
DL2176 / DL2177	6W	AC100 - 240V	540 - 600 lm	WH/WW	>50.000 H	φ120x50 mm	φ95
DL2178 / DL2179	7W	AC100 - 240V	630 - 700 lm	WH/WW	>50.000 H	φ120x50 mm	φ95
DL2180 / DL2181	9W	AC100 - 240V	810 - 900 lm	WH/WW	>50.000 H	φ145x60 mm	φ115
DL2182 / DL2183	12W	AC100 - 240V	1080 - 1200 lm	WH/WW	>50.000 H	φ145x65 mm	φ115
DL2184 / DL2185	15W	AC100 - 240V	1350 - 1500 lm	WH/WW	>50.000 H	φ190x65 mm	φ160
DL2186 / DL2187	18W	AC100 - 240V	1620 - 1800 lm	WH/WW	>50.000 H	φ190x65 mm	φ160



LED downlight 3 - 5 - 7 - 9W RD

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2137 / DL2138	3W	AC100 - 240V	270 - 300 lm	WH / WW	>50.000 H	φ100x40 mm	φ70
DL2150 / DL2151	5W	AC100 - 240V	450 - 500 lm	WH / WW	>50.000 H	φ112x40 mm	φ80
DL2158 / DL2159	7W	AC100 - 240V	630 - 700 lm	WH / WW	>50.000 H	φ123x45 mm	φ90
DL2164 / DL2165	9W	AC100 - 240V	810 - 900 lm	WH / WW	>50.000 H	φ143x45 mm	φ110



LED module 4 - 9 - 16 - 25W SQ (White body)

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2301 / DL2302	4W	AC100 - 240V	360 - 400 lm	WH / WW	>50.000 H	95x95x55 mm	75x75 mm
DL2309 / DL2310	9W	AC100 - 240V	810 - 900 lm	WH / WW	>50.000 H	115x115x55 mm	95x95 mm
DL2325 / DL2326	16W	AC100 - 240V	1440 - 1600 lm	WH / WW	>50.000 H	145x145x75 mm	125x125 mm
DL2327 / DL2328	25W	AC100 - 240V	2250 - 2500 lm	WH / WW	>50.000 H	178x178x90 mm	145x145 mm



LED module 6 - 12 - 15W SQ

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2305 / DL2306	6W	AC100 - 240V	540 - 600 lm	WH / WW	>50.000 H	112x112x32 mm	90x90 mm
DL2315 / DL2316	12W	AC100 - 240V	1080 - 1200 lm	WH / WW	>50.000 H	150x150x32 mm	125x125 mm
DL2321 / DL2322	15W	AC100 - 240V	1350 - 1500 lm	WH / WW	>50.000 H	200x200x32 mm	175x175 mm



LED module 6 - 12 - 15W RD (White body / Matt glass)

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions	Mounting hole
DL2303 / DL2304	6W	AC100 - 240V	540 - 600 lm	WH / WW	>50.000 H	φ120x32 mm	φ105
DL2313 / DL2314	12W	AC100 - 240V	1080 - 1200 lm	WH / WW	>50.000 H	φ155x32 mm	φ130
DL2319 / DL2320	15W	AC100 - 240V	1350 - 1500 lm	WH / WW	>50.000 H	φ200x32 mm	φ170



LED Panel 220V

Item Nº	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2350 / DL2351	36W	AC100 - 240V	3240 - 3600 lm	WH / WW	>50.000 H	600x600 mm
DL2352 / DL2353	15W	AC100 - 240V	1350 - 1500 lm	WH / WW	>50.000 H	300x300 mm
DL2354 / DL2355	18W	AC100 - 240V	1620 - 1800 lm	WH / WW	>50.000 H	600x300 mm
DL2356 / DL2357	42W	AC100 - 240V	3780 - 4200 lm	WH / WW	>50.000 H	1200x300 mm



LED COB 3 - 5 - 7 - 10 - 12 - 15W

Item Nº	Power	Input voltage	FLUX	Beam angle	Light color	Life span	Dimensions	Mounting hole
CB3101 / CB3102	3W	AC100 - 240V	240 - 270 lm	150°	WH / WW	>50.000 H	φ90x45 mm	φ75
CB3107 / CB3108	5W	AC100 - 240V	400 - 450 lm	150°	WH / WW	>50.000 H	φ90x45 mm	φ75
CB3111 / CB3112	7W	AC100 - 240V	560 - 630 lm	150°	WH / WW	>50.000 H	φ140x70 mm	φ125
CB3149 / CB3150	10W	AC100 - 240V	800 - 900 lm	150°	WH / WW	>50.000 H	φ188x88 mm	φ175
CB3129 / CB3130	12W	AC100 - 240V	960 - 1080 lm	150°	WH / WW	>50.000 H	φ188x88 mm	φ175
CB3151 / CB3152	15W	AC100 - 240V	1200 - 1350 lm	150°	WH / WW	>50.000 H	φ190x95 mm	φ180



LED COB 4 - 6 - 10 - 18 - 25W

Item Nº	Power	Input voltage	FLUX	Beam angle	Light color	Life span	Dimensions	Mounting hole
CB3181	4W	AC100 - 240V	280 - 320 lm	90°	WH	>50.000 H	φ106x80 mm	φ95
CB3183	6W	AC100 - 240V	540 - 600 lm	90°	WH	>50.000 H	φ122x85 mm	φ105
CB3185 / CB3195	10W	AC100 - 240V	900 - 1000 lm	90°	WH	>50.000 H	φ145x85 mm	φ125
CB3187 / CB3197	18W	AC100 - 240V	1620 - 1800 lm	90°	WH	>50.000 H	φ190x110 mm	φ175
CB3189 / CB3199	25W	AC100 - 240V	2250 - 2500 lm	90°	WH	>50.000 H	φ230x140 mm	φ205



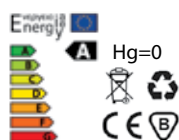
LED COB 10 - 15 - 20 - 30W

Item Nº	Power	Input voltage	FLUX	Beam angle	Light color	Life span	Dimensions	Mounting hole
CB3193	10W	AC100 - 240V	1000 lm	150°	WH	>50.000 H	φ130x70 mm	φ100
CB3161 / CB3162	15W	AC100 - 240V	1500 lm	150°	WH / WW	>50.000 H	φ175x77 mm	φ155
CB3163 / CB3164	20W	AC100 - 240V	2000 lm	150°	WH / WW	>50.000 H	φ195x85 mm	φ175
CB3165 / CB3166	30W	AC100 - 240V	2800 lm	150°	WH / WW	>50.000 H	φ225x85 mm	φ205



LED COB 30W

Item Nº	Power	Input voltage	FLUX	Beam angle	Light color	Life span	Dimensions	Mounting hole
CB3230 / CB3231	30W	AC100 - 240V	2400 lm	45°	WH / WW	>50.000 H	235x145x120 mm	215x120 mm





LED light for outer installation RD

Item №	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2201	3W	AC100 - 240V	270 - 300 lm	WH	>50.000 H	φ60x50 mm
DL2202	3W	AC100 - 240V	270 - 300 lm	WW	>50.000 H	φ60x50 mm
DL2209	6W	AC100 - 240V	540 - 600 lm	WH	>50.000 H	φ80x62 mm
DL2210	6W	AC100 - 240V	540 - 600 lm	WW	>50.000 H	φ80x62 mm



LED light for outer installation SQ

Item №	Power	Input voltage	FLUX	Light color	Life span	Dimensions
DL2203	3W	AC100 - 240V	270 - 300 lm	WH	>50.000 H	60x60x60 mm
DL2204	3W	AC100 - 240V	270 - 300 lm	WW	>50.000 H	60x60x60 mm
DL2211	6W	AC100 - 240V	540 - 600 lm	WH	>50.000 H	80x80x62 mm
DL2212	6W	AC100 - 240V	540 - 600 lm	WW	>50.000 H	80x80x62 mm





LED track light 7W

Item Nº	Power	Input voltage	FLUX	Material	Light color	Life span
FL5103/ FL5104	7W	AC100 - 240V	630 - 700 lm	aluminum	WH/ WW	>50.000 H
FL5107/ FL5108	7W	AC100 - 240V	630 - 700 lm	aluminum	WH/ WW	>50.000 H



LED track light 9W

Item Nº	Power	Input voltage	FLUX	Material	Light color	Life span
FL5105	9W	AC100 - 240V	810 - 900 lm	aluminum	WH	>50.000 H
FL5106	9W	AC100 - 240V	810 - 900 lm	aluminum	WW	>50.000 H



LED track light 12W

Item Nº	Power	Input voltage	FLUX	Material	Light color	Life span
FL5109	12W	AC100 - 240V	1080- 1200 lm	aluminum	WH	>50.000 H
FL5110	12W	AC100 - 240V	1080- 1200 lm	aluminum	WW	>50.000 H

LED COB track light 10W



Item Nº	FL5111/FL5121
Power	10W
Input voltage	AC100 - 240V
FLUX	900- 1000 lm
Material	Aluminium
Body color	WHITE/BLACK
Light color	WH/WW
Life span	>50.000 H

LED COB track light 20W



Item Nº	FL5112/FL5122
Power	20W
Input voltage	AC100 - 240V
FLUX	1800- 2000 lm
Material	Aluminium
Body color	WHITE/BLACK
Light color	WH/WW
Life span	>50.000 H



LED strips 3528 NON-WATERPROOF

Item Nº	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4102 / ST4103	60 pcs/m	WH/WW	12V	4,8 W/m	IP33	5m
ST4104	60 pcs/m	Red	12V	4,8 W/m	IP33	5m
ST4105	60 pcs/m	Green	12V	4,8 W/m	IP33	5m
ST4106	60 pcs/m	Blue	12V	4,8 W/m	IP33	5m
ST4107	60 pcs/m	Yellow	12V	4,8 W/m	IP33	5m
ST4108 / ST4109	90 pcs/m	WH/WW	12V	7,2 W/m	IP33	5m
ST4110 / ST4111	120 pcs/m	WH/WW	12V	9,6 W/m	IP33	5m
ST4122 / ST4123	240 pcs/m	WH/WW	12V	19,2 W/m	IP33	5m



LED strips 3528 WATERPROOF - IP65

Item Nº	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4112 / ST4113	60 pcs/m	WH/WW	12V	4,8 W/m	IP65	5m
ST4114	60 pcs/m	Red	12V	4,8 W/m	IP65	5m
ST4115	60 pcs/m	Green	12V	4,8 W/m	IP65	5m
ST4116	60 pcs/m	Blue	12V	4,8 W/m	IP65	5m
ST4117	60 pcs/m	Yellow	12V	4,8 W/m	IP65	5m
ST4118 / ST4119	90 pcs/m	WH/WW	12V	7,2 W/m	IP65	5m
ST4120 / ST4120	120 pcs/m	WH/WW	12V	9,6 W/m	IP65	5m



LED strips 3528 WATERPROOF - Silicon cased - IP54

Item Nº	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4132 / ST4133	60 pcs/m	WH/WW	12V	4,8 W/m	IP54	5m
ST4134	60 pcs/m	Red	12V	4,8 W/m	IP54	5m
ST4135	60 pcs/m	Green	12V	4,8 W/m	IP54	5m
ST4136	60 pcs/m	Blue	12V	4,8 W/m	IP54	5m





LED Strips 5050 NON - Waterproof

Item №	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4201/ ST4202	30 pcs/m	WH/WW	12V	7,2 W/m	IP33	5m
ST4203	30 pcs/m	Red	12V	7,2 W/m	IP33	5m
ST4204	30 pcs/m	Green	12V	7,2 W/m	IP33	5m
ST4205	30 pcs/m	Blue	12V	7,2 W/m	IP33	5m
ST4206	30 pcs/m	Yellow	12V	7,2 W/m	IP33	5m
ST4207/ ST4208	60 pcs/m	WH/WW	12V	14,4 W/m	IP33	5m



LED Strips 5050 Waterproof

Item №	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4209	30 pcs/m	White	12V	7,2 W/m	IP65	5m
ST4210	30 pcs/m	Warmwhite	12V	7,2 W/m	IP65	5m
ST4211	30 pcs/m	Red	12V	7,2 W/m	IP65	5m
ST4212	30 pcs/m	Green	12V	7,2 W/m	IP65	5m
ST4213	30 pcs/m	Blue	12V	7,2 W/m	IP65	5m
ST4214	30 pcs/m	Yellow	12V	7,2 W/m	IP65	5m
ST4215	60 pcs/m	White	12V	14,4 W/m	IP65	5m
ST4216	60 pcs/m	Warmwhite	12V	14,4 W/m	IP65	5m



LED Strips 5050 RGB

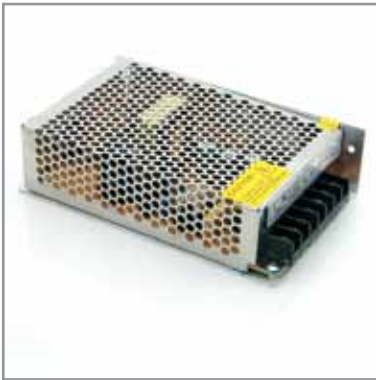
Item №	LEDs/m	COLOR	Input voltage	W/m	IP	Package
ST4301	30 pcs/m	RGB	12V	7,2 W/m	IP33	5m
ST4302	60 pcs/m	RGB	12V	14,4 W/m	IP33	5m
ST4303	30 pcs/m	RGB	12V	7,2 W/m	IP65	5m
ST4304	60 pcs/m	RGB	12V	14,4 W/m	IP65	5m
ST4305	60 pcs/m	RGB	12V	14,4 W/m	IP68	5m

Power Supply



Power Supply plastic

Item №	A	Output voltage	Power	Material	Dimensions
AC6101	2A	DC12V	24W	plastic	90x30 mm
AC6102	2,5A	DC12V	30W	plastic	90x40 mm
AC6103	5A	DC12V	60W	plastic	90x40 mm



Power Supply metal

Item №	A	Output voltage	Power	Material	Dimensions
AC6104	2A	DC12V	24W	metal	85*59*31 mm
AC6113	3.5A	DC12V	40W	metal	85*58*33 mm
AC6105	5A	DC12V	60W	metal	111*78*36 mm
AC6106	10A	DC12V	120W	metal	129*98*40 mm
AC6114	12.5A	DC12V	150W	metal	159*99*49 mm
AC6107	20A	DC12V	240W	metal	166*106*55 mm
AC6108	30A	DC12V	360W	metal	205*104*55 mm
AC6109	8.3A	DC12V	100W	metal	130*100*40 mm



Waterproof Power Supply - IP67

Item №	A	Output voltage	Power	Material	IP	Dimensions
AC6110	2,5A	DC12V	30W	metal	IP67	160*30*20 mm
AC6111	5A	DC12V	60W	metal	IP67	155*56*35 mm
AC6115	8.5A	DC12V	100W	metal	IP67	160*70*40 mm
AC6112	12,5A	DC12V	150W	metal	IP67	190*70*40 mm

LED accessories

Dimmer 12V/2A, 24W
AC6301



Dimmer 12V/8A, 96W
AC6302



Controller for RGB 3*2A 72W/12V
AC6303



Dimmable Controller for RGB 3*4A
144W/12V AC6304



Amplifier for RGB 3*4A 144W/12V
AC6305



LED furniture light



Item Nº	FU0101/FU0111
Power	1.8W
Input voltage	12V
Light color	WW/WH
Life span	>50.000 H
Dimensions	φ60x7 mm

LED furniture light



Item Nº	FU0102/ FU0112
Power	1.8W
Input voltage	12V
Light color	WW/WH
Life span	>50.000 H
Dimensions	170x50x10 mm

LED furniture light



Item Nº	FU0103/ FU0113
Power	6.4W
Input voltage	12V
Light color	WW/WH
Life span	>50.000 H
Dimensions	450x50x10 mm

LED furniture light



Item Nº	FU0104/ FU0114
Power	1.8W
Input voltage	12V
Light color	WW/WH
Life span	>50.000 H
Dimensions	570x13x13 mm

LED furniture light

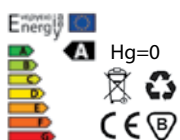


Item Nº	FU0105/ FU0115
Power	6W
Input voltage	12V
Light color	WW/WH
Life span	>50.000 H
Dimensions	500x25x16 mm

LED furniture light



Item Nº	FU0109/ FU0119
Power	11.2W
Input voltage	12V
Light color	WH/WW
Life span	>50.000 H
Dimensions	600x35x7 mm



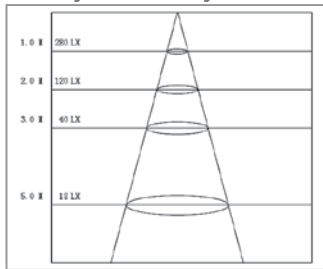


LED floodlight 10 - 20 - 30 - 50W

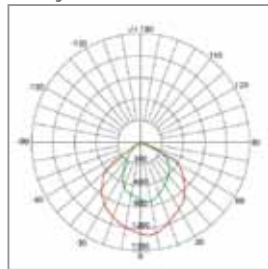
Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span	Dimensions
FL5201/FL5211	10W	AC85 - 265V	900 - 1000 lm	IP65	aluminum	WH/WW	>50.000 H	115x85x80 mm
FL5203 / FL5213	20W	AC85 - 265V	1800 - 2000 lm	IP65	aluminum	WH/WW	>50.000 H	180x140x105 mm
FL5204 / FL5214	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	WH/WW	>50.000 H	225x185x150 mm
FL5205 / FL5215	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	WH/WW	>50.000 H	285x230x150 mm

LIGHT DISTRIBUTION

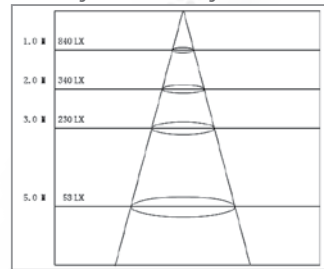
Lux readings over different height



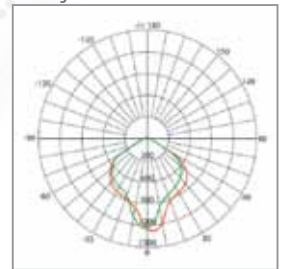
Flood light 10W



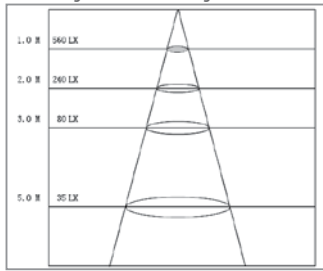
Lux readings over different height



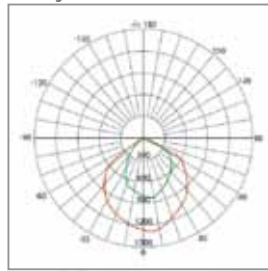
Flood light 30W



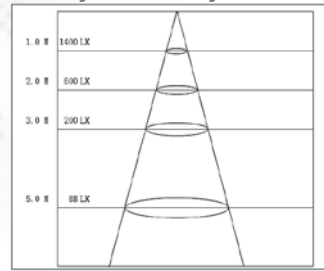
Lux readings over different height



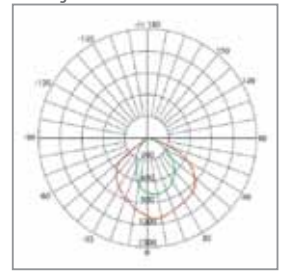
Flood light 20W



Lux readings over different height



Flood light 50W



LED floodlight 80-100W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
FL5207 / FL5217	80W	AC85 - 265V	8100 - 9000 lm	IP65	aluminum	WH/WW	>50.000 H
FL5208 / FL5218	100W	AC85 - 265V	9000 - 10000 lm	IP65	aluminum	WH/WW	>50.000 H





LED Floodlight „OPTONICA CONCEPT“

Item №	Power	Input voltage	FLUX	IP	Material	Light color	Life span	Dimensions
FL5401/FL5411	10W	AC85 - 265V	900 - 1000 lm	IP65	aluminum	WH/WW	>50.000 H	180x170x50 mm
FL5402/FL5412	20W	AC85 - 265V	1800 - 2000 lm	IP65	aluminum	WH/WW	>50.000 H	290x250x75 mm
FL5403/FL5413	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	WH/WW	>50.000 H	290x250x75 mm
FL5405/FL5415	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	WH/WW	>50.000 H	350x320x100 mm



LED Floodlight with lens

Item №	Power	Input voltage	FLUX	IP	Material	Light color	Life span	Dimensions
FL5302	20W	AC85 - 265V	1800 - 2000 lm	IP65	aluminum	WH	>50.000 H	180x140x95 mm
FL5303	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	WH	>50.000 H	225x185x115 mm
FL5304	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	WH	>50.000 H	285x235x125 mm



LED Floodlight RGB + remote control

Item №	Power	Input voltage	FLUX	IP	Material	Light color	Life span	Dimensions
FL5210	10W	AC85 - 265V	900 - 1000 lm	IP65	aluminum	RGB	>50.000 H	115x85x80 mm
FL5212	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	RGB	>50.000 H	225x185x150 mm
FL5219	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	RGB	>50.000 H	285x230x150 mm



LED Floodlight + sensor

Item №	Power	Input voltage	FLUX	IP	Material	Light color	Life span	Range
FL5220 / FL5221	10W	AC85 - 265V	900 - 1000 lm	IP65	aluminum	WH/WW	>50.000 H	6 - 10 m / 180 °
FL5222	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	WH	>50.000 H	6 - 10 m / 180 °
FL5223	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	WH	>50.000 H	6 - 10 m / 180 °

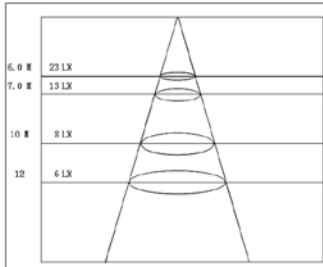


LED street lights 42 - 65 - 80 - 112W

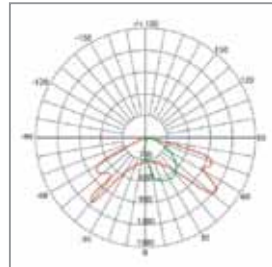
Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
SL9101	42W	AC100 - 240V	3800 - 4200 lm	IP65	aluminum	WH	>50.000 H
SL9102	65W	AC100 - 240V	5850 - 6500 lm	IP65	aluminum	WW	>50.000 H
SL9103	80W	AC100 - 240V	8100 - 9000 lm	IP65	aluminum	WH	>50.000 H
SL9104	112W	AC100 - 240V	10080 - 11200 lm	IP65	aluminum	WH	>50.000 H

LIGHT DISTRIBUTION

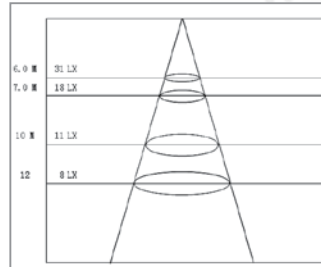
Lux readings over different height



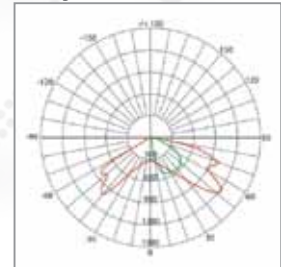
Streetlight 42W



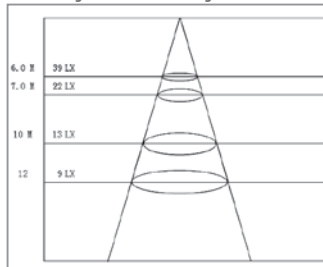
Lux readings over different height



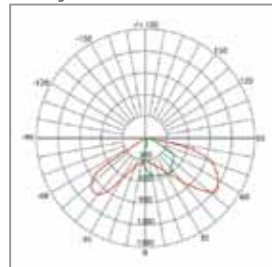
Streetlight 65W



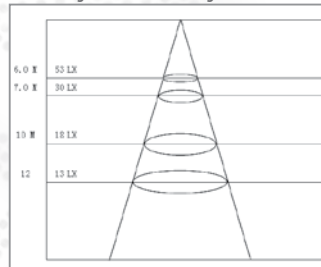
Lux readings over different height



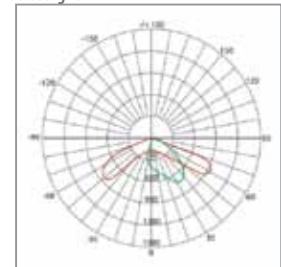
Streetlight 80W



Lux readings over different height



Streetlight 112W



LED street lights 20-40-60-80W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
SL9105	20W	AC100 - 240V	1800 - 2000 lm	IP65	aluminum	WH	>50.000 H
SL9106	40W	AC100 - 240V	3600 - 4000 lm	IP65	aluminum	WH	>50.000 H
SL9107	60W	AC100 - 240V	5400 - 6000 lm	IP65	aluminum	WH	>50.000 H
SL9108	80W	AC100 - 240V	7200 - 8000 lm	IP65	aluminum	WH	>50.000 H



LED street lights 40 - 30W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
SL9109	40W	AC100 - 240V	3600 - 4000 lm	IP65	aluminum	WH	>50.000 H
SL9110	30W	AC100 - 240V	2700 - 3000 lm	IP65	aluminum	WH	>50.000 H

LED high bay lights

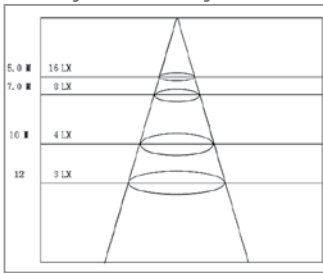


LED HIGH BAY 30 - 50 - 70 - 100 - 150W

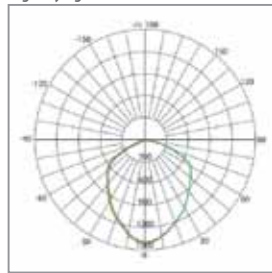
Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
HB8101	30W	AC85 - 265V	2700 - 3000 lm	IP65	aluminum	WH	>50.000 H
HB8102	50W	AC85 - 265V	4500 - 5000 lm	IP65	aluminum	WH	>50.000 H
HB8103	70W	AC85 - 265V	6300 - 7000 lm	IP65	aluminum	WH	>50.000 H
HB8104 / HB8115	100W	AC85 - 265V	9000 - 10000 lm	IP65	aluminum	WH/WW	>50.000 H
HB8110	150W	AC85 - 265V	13500 - 15000 lm	IP65	aluminum	WH	>50.000 H

LIGHT DISTRIBUTION

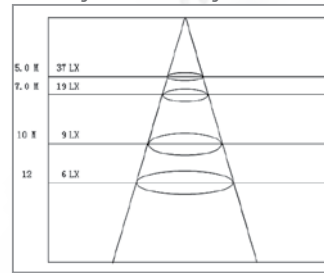
Lux readings over different height



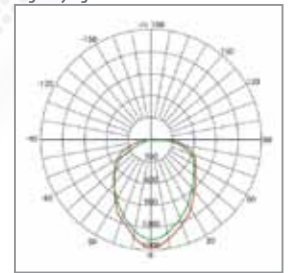
Highbay light 30W



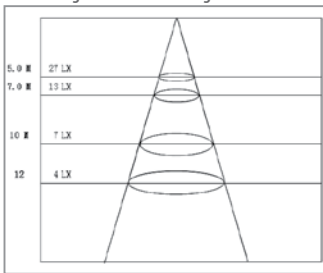
Lux readings over different height



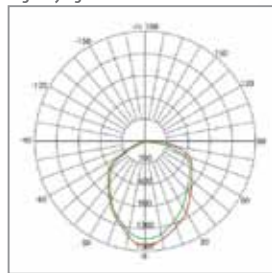
Highbay light 70W



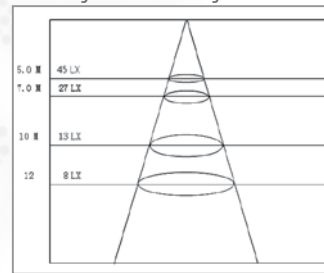
Lux readings over different height



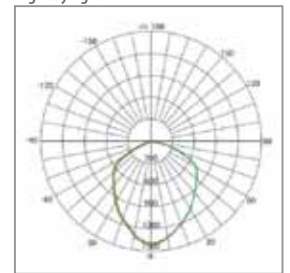
Highbay light 50W



Lux readings over different height

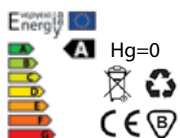


Highbay light 100W



LED wallwasher 24W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
WW7101	24W	12V	2160 - 2400 lm	IP65	aluminum	WH	>50.000 H
WW7102	24W	DC24V	2160 - 2400 lm	IP65	aluminum	RGB	>50.000 H
WW7103	9W	12V	810-900 lm	IP65	aluminum	WW	>50.000 H
WW7104/ WW7105	3W	12V	270-300 lm	IP65	aluminum	WH/RGB	>50.000 H





LED underground light 1W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
OT0507	1W	220V	90 - 100 lm	IP67	steel	WH	>50.000 H
OT0520/OT0521	1W	12V	90 - 100 lm	IP67	steel	WH/WW	>50.000 H



LED underground light 3W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
OT0501	3W	DC12V	270 - 300 lm	IP67	steel	WH	>50.000 H
OT0502	3W	DC12V	270 - 300 lm	IP67	steel	WW	>50.000 H
OT0503	3W	DC12V	270 - 300 lm	IP67	steel	RGB	>50.000 H
OT0531	3W	12V	270 - 300 lm	IP67	steel	WH	>50.000 H
OT0532	3W	12V	270 - 300 lm	IP67	steel	WW	>50.000 H
OT0533	3W	12V	270 - 300 lm	IP67	steel	RGB	>50.000 H



LED underwater light 6 - 9 - 12 - 15W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
OT0504	6W	DC12V	540 - 600 lm	IP68	steel	RGB	>50.000 H
OT0508	6W	DC12V	540 - 600 lm	IP68	steel	WW	>50.000 H
OT0525	9W	DC24V	810 - 900 lm	IP68	steel	RGB DMX	>50.000 H
OT0526	12W	DC24V	1080 - 1200 lm	IP68	steel	RGB DMX	>50.000 H
OT0527	15W	DC24V	1350 - 1500 lm	IP68	steel	RGB DMX	>50.000 H



LED underground light 6W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
OT0511	3W	220V	270 - 300 lm	IP67	steel	RGB	>50.000 H
OT0512	3W	12V	270 - 300 lm	IP67	steel	WW	>50.000 H



LED underwater light 9-12W

Item Nº	Power	Input voltage	FLUX	IP	Material	Light color	Life span
OT0505	12W	DC12V	1080 - 1200 lm	IP68	steel	RGB	>50.000 H
OT0506	9W	DC12V	810 - 900 lm	IP68	steel	RGB	>50.000 H

Led technology has several advantages against conventional lighting. Usage of LED bulbs and fixtures in EU becomes priority with ban of incandescent lamps, all negative reactions about compact fluorescent lamps and policy of reducing the electricity costs.

On the other hand LEDs do not contain mercury and are 100% recyclable.

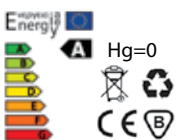
Following tables illustrate LED's advantages compared to most popular light sources:

	LED	Incandescent lamp	Halogen lamp	Energy saving/CFL	Sodium lamp
lm/W	90-100	10-18	20-23	50-60	80-115
Lifespan (h)	50000 - 100000	1000	2000 - 4000	8000 - 10000	24000
Lights instantly	Yes	Yes	Yes	No	No
Color Rendering	>80	97-100	97-100	80-82	<30
CO2 emissions per year (kg)	204.57	2041.17	1428.82	476.73	532.42
Mercury content	No	No	No	Yes	Yes



Save energy with OPTONICA LED

LED type	LED (W)	Lamp type	Power (W)	Efficiency (%)
LED smd	10W	incandescent lamp	100	90%
LED smd	7W	incandescent lamp	60	88%
LED cob	30W	halogen floodlight	150	80%
LED cob	80W	halogen floodlight	500	84%
LED smd	8W	fluorescent tube	18	24%
LED smd	14W	fluorescent tube	36	26%
LED smd	7W	energy saving lamp	11	36%
LED smd	10W	energy saving lamp	18	44%
LED smd	5W	energy saving lamp	9	44%
LED smd	7W	energy saving lamp	13	46%
LED smd	12W	energy saving lamp	20	40%
LED smd	8.8W	CFL	13	32%
LED smd	12W	CFL	18	33%
LED smd	16W	CFL	26	38%
LED cob	15W	CFL downlight 2x13W	26	42%
LED cob	20W	CFL downlight 2x18W	36	44%
LED cob	30W	CFL downlight 2x26W	52	42%





ENERGY

LED

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