

General Catalogue  
**2023-2024**

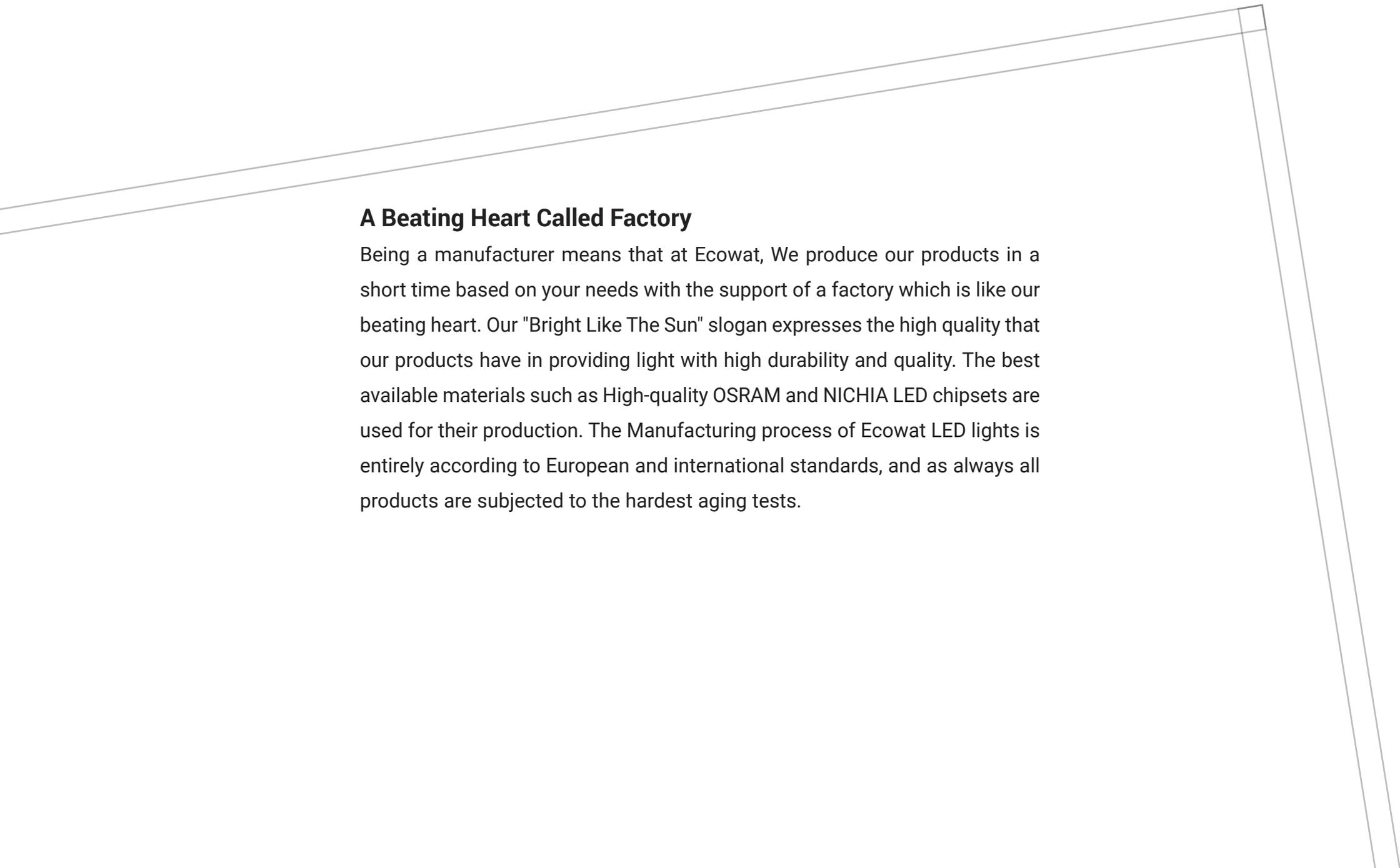
ecowat

*Bright like the sun*  
**ecowat**  
www.ecowat.com



## **Introduction to Ecowat Company**

With the “Bright Like The Sun” slogan, Ecowat Company manufactures high-tech LED lights, including linear, track, recessed, surface-mounted, flood lights, and streetlights. We manufacture lights according to your needs for various places such as malls, showrooms, Galleries, Companies and Offices, houses, green spaces, streets and highways. The technology used in these lights has been designed to have the highest efficiency possible while being extremely low consumption, economical and efficient. The design and production of our lights are entirely done by Ecowat’s electrical and technological engineers who graduated from the best international universities. they have taken into account all the elegancies of design in their manufacturing.



### **A Beating Heart Called Factory**

Being a manufacturer means that at Ecowat, We produce our products in a short time based on your needs with the support of a factory which is like our beating heart. Our "Bright Like The Sun" slogan expresses the high quality that our products have in providing light with high durability and quality. The best available materials such as High-quality OSRAM and NICHIA LED chipsets are used for their production. The Manufacturing process of Ecowat LED lights is entirely according to European and international standards, and as always all products are subjected to the hardest aging tests.





Ecawat office

### **Ecowat guarantees the quality**

The long life span, Color rendering index higher than 95 (CRI> 95), Flicker-free light, High power factor (PF>0.95), and Low total harmonic distortion (THD<10%) in Ecowat lights represent the ultimate quality of light for putting your mind at ease about your required lighting and brightness.

### **3 and 5 years unconditional replacement guarantee of Ecowat lights**

We present all of our products with three and five years of unconditional replacement guarantee to ensure the smooth lighting of your desired space. This guarantee is available for all Ecowat lights, including Linear, Track, recessed, surface-mounted lights, flood lights and streetlights. This is an affirmation of long service life and high-quality lights.

### **We are with you in all of your lighting projects**

Ecowat is always available with several stores, showrooms, and factories in the Middle East, including Iran and Turkey. In addition, Ecowat technical advisers guide you through each step to choose the best lighting method. This support is done by both generated content, including Dialux plugins of ecowat lights, and 24-hours online support.

Also, all Ecowat products, along with the most updated technical and general information on lighting, are available on the Ecowat website at [www.ecowat.com](http://www.ecowat.com)

# Guide to Pictograms



Capability for installing surface-mounted.



The ability to adjust the light intensity



Without the ability to adjust the light intensity



Mercury-free



Time to reach 100% of light emission



Number of possible switchings



Lumen



Candela



Ability to work with 12V voltage



Earthing ability



Customized color.



Ingress Protection



Beaming Angle



The amount of light emitted from the light source divided by the power consumption of that light source. Note that this value is the real efficiency of the output beam from the light, not the light emitted by the chipset.



color rendering index above 95 is the most important factor in representing the true color in space. 95% similarity to sunlight is one of the advantages of the Ecowat lights.



Prevention of eyestrain and headache affected by the quality of light emission is the result of using flicker-free lights. Despite the high power factor of the drivers used in most our lights, they are flicker-free..



Zhaga is an international, industry-wide consortium for the standardization of LED lights and modules, with specifications aimed at ensuring the interchangeability of LED light sources from different manufacturers.

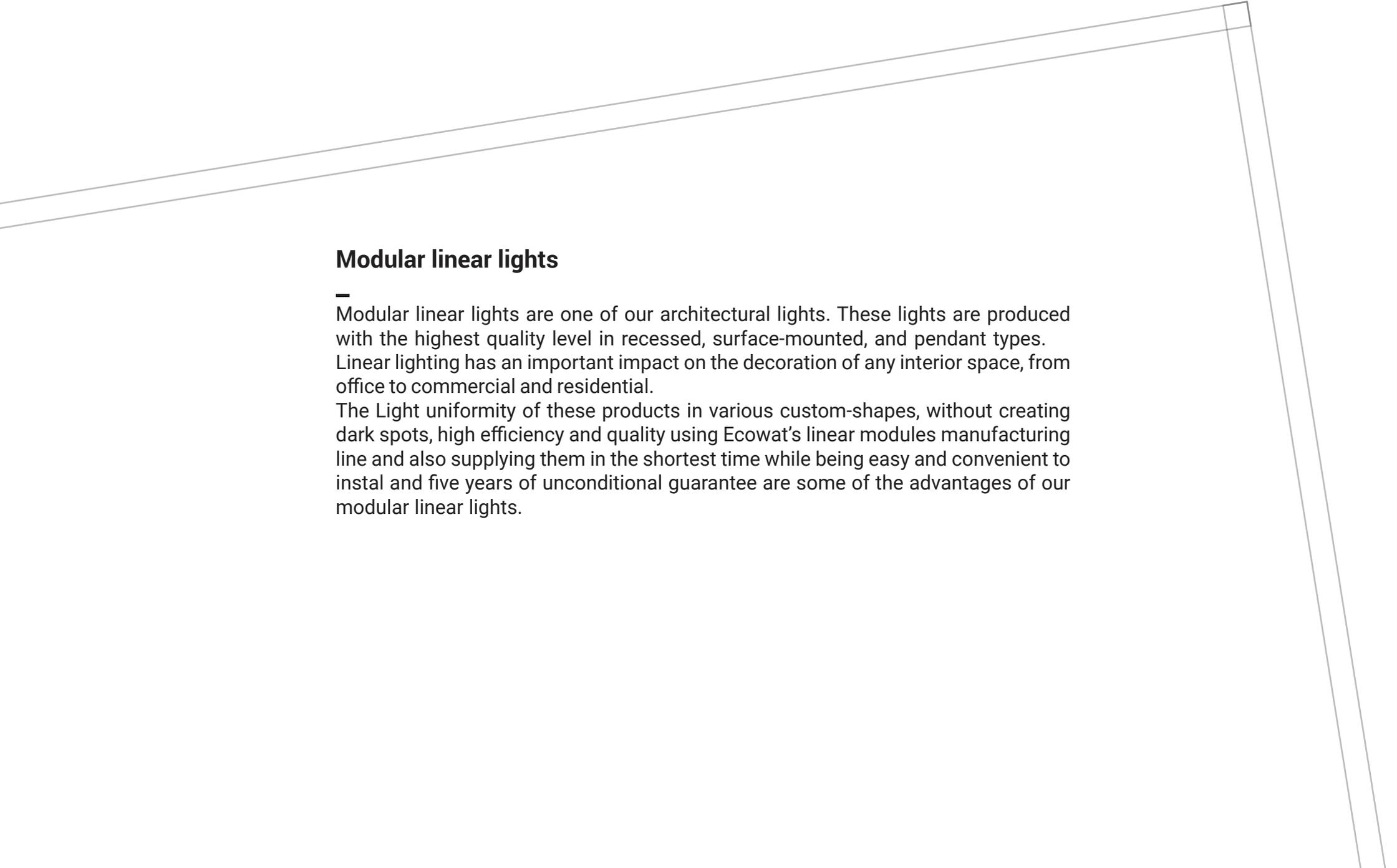


Product Weight



The cut-out dimension for recessed lights.





## **Modular linear lights**

—  
Modular linear lights are one of our architectural lights. These lights are produced with the highest quality level in recessed, surface-mounted, and pendant types. Linear lighting has an important impact on the decoration of any interior space, from office to commercial and residential.

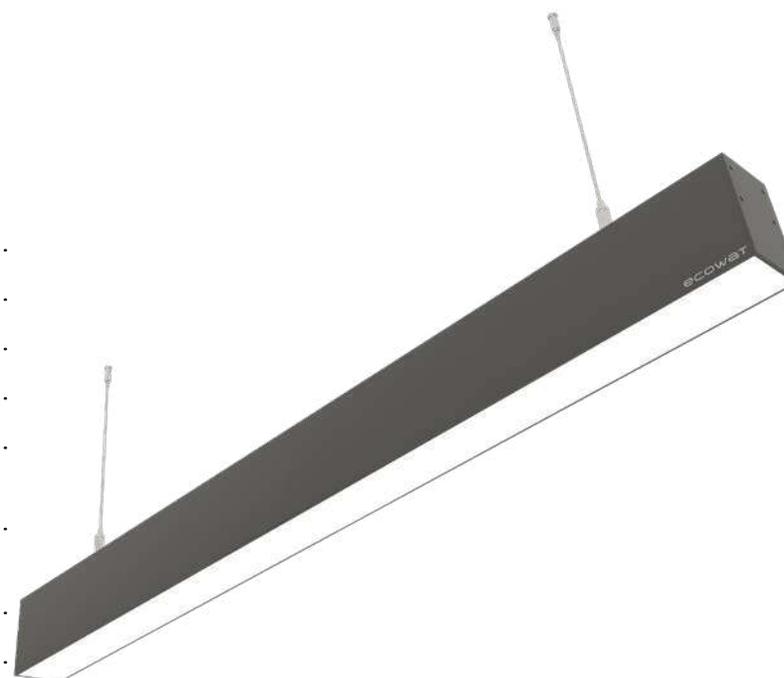
The Light uniformity of these products in various custom-shapes, without creating dark spots, high efficiency and quality using Ecowat's linear modules manufacturing line and also supplying them in the shortest time while being easy and convenient to instal and five years of unconditional guarantee are some of the advantages of our modular linear lights.



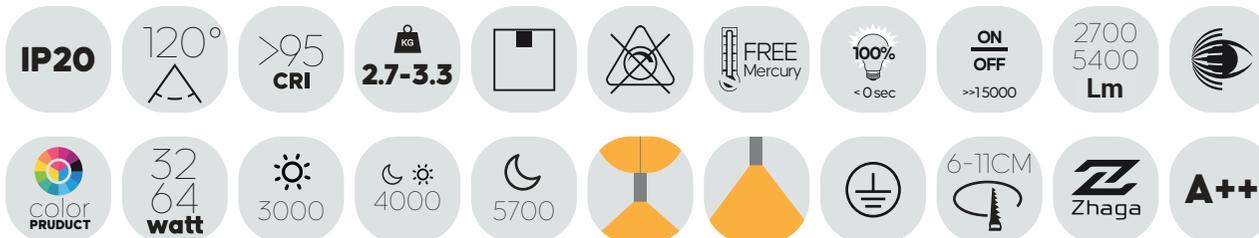
## Modular linear lights

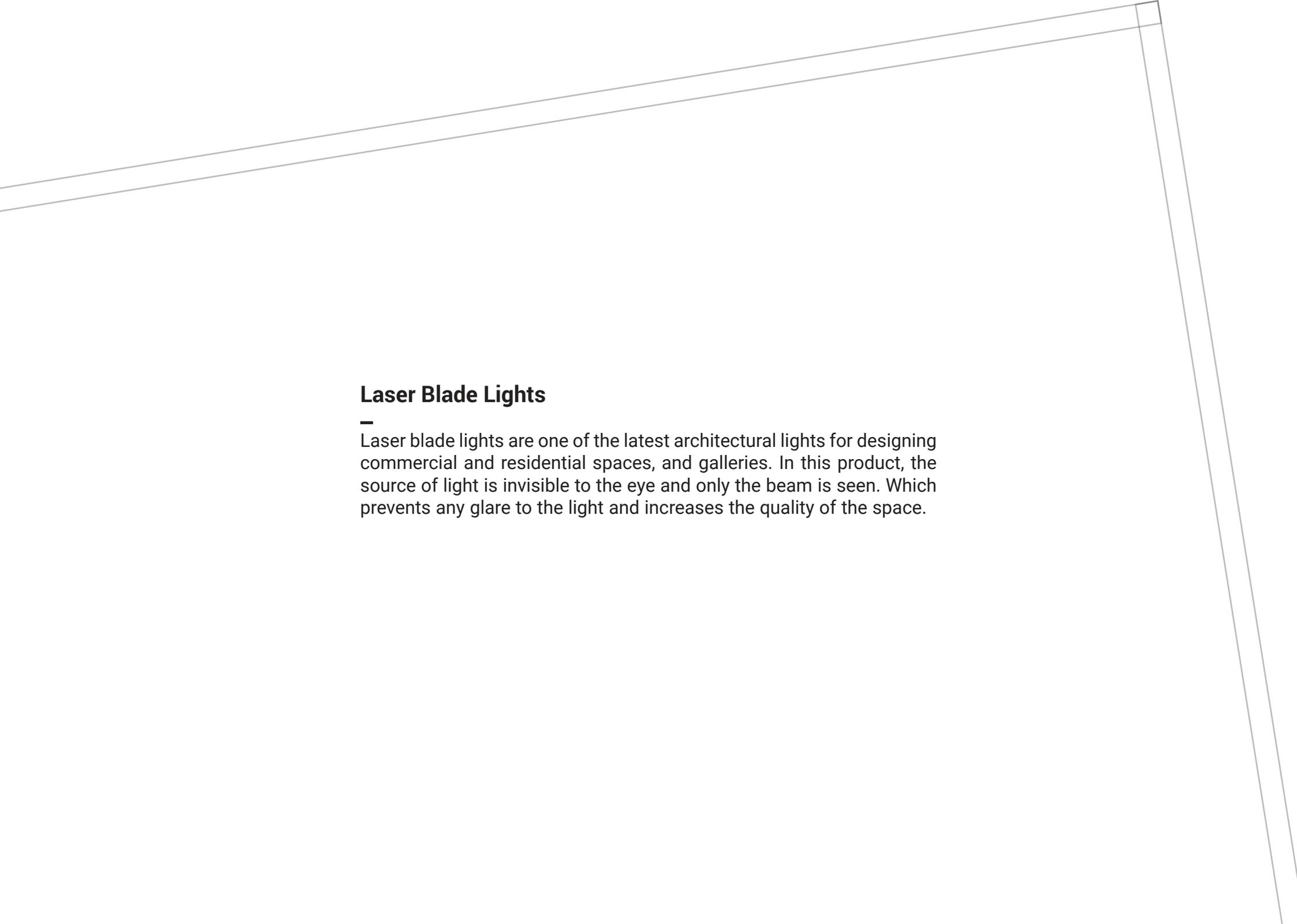
### Technical Specification:

Luminous flux:	2700Lm/m- 4300 Lm/m- 6000 Lm/m- 9100Lm/m
Nominal power	30 - 45 - 60 - 90 Watt/m
Light efficiency	95 Lm/W
Color rendering index(CRI)	CRI> 95
SDCM	≤ 3SDCM
Light source	7cm, 14cm, 28cm ecowat Zhaga approved LED light engine
Light engine	LNM28A (with 85LED/m) LNM28B (with 126LED/m)
Type of driver	Isolated Flicker-free, CC
Specification of input Voltage	230 VAC
Input current	78 mA/m, PF> 0.95
Total harmonic distortion (THD):	THD ≤ 10%
Type of optic	Polycarbonate Anti UV Diffuser
Type of terminal	Jack Socket Through Wiring Terminal
Profile width	4cm,6cm,9cm
Installation method	Recessed, surface-mounted, pendant
Accessories	Rigid pendant, pendant cable (page 83)



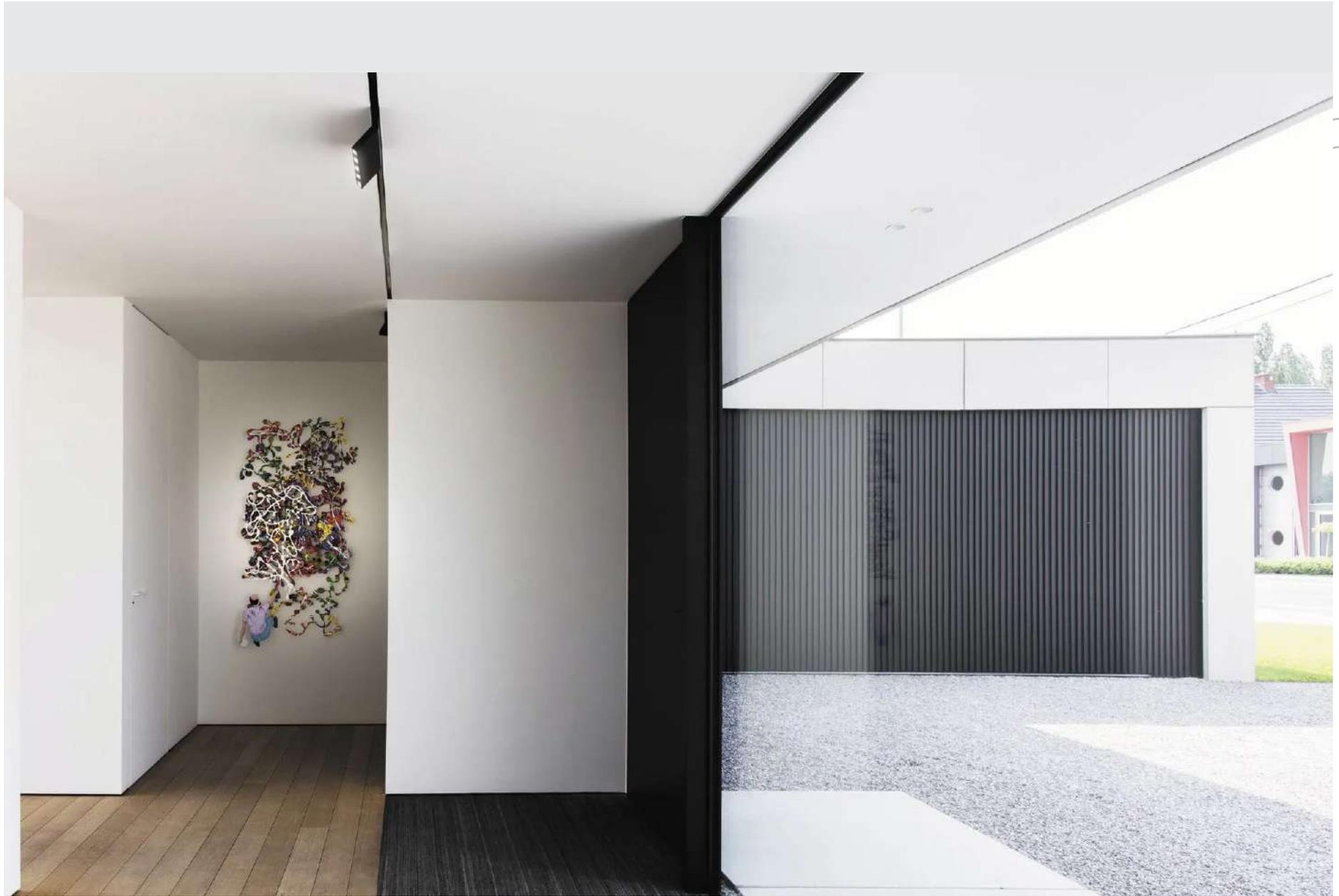
Width	Installation method	Model	Luminous flux
6cm	recessed	ERL60	2700Lm/m
9cm	recessed	ERL90	2700Lm/m
9cm (Double-line)	recessed	ERL90-2L	5400Lm/m
6cm	Surface-Mounted	ESL60	2700Lm/m
9cm	Surface-Mounted	ESL90	2700Lm/m
9cm (Double-line)	Surface-Mounted	ESL90-2L	5400Lm/m
6cm	pendant	EPL60	2700Lm/m
9cm	pendant	EPL90	2700Lm/m
6cm (Two-sided)	pendant	EPL60-2S	5400Lm/m
9cm (Double-line)	pendant	EPL90-2L	5400Lm/m



The top right corner of the page features a decorative graphic consisting of several thin, light gray lines. These lines form a series of parallel, slightly curved paths that converge towards the top right corner, creating a sense of depth and architectural structure.

## **Laser Blade Lights**

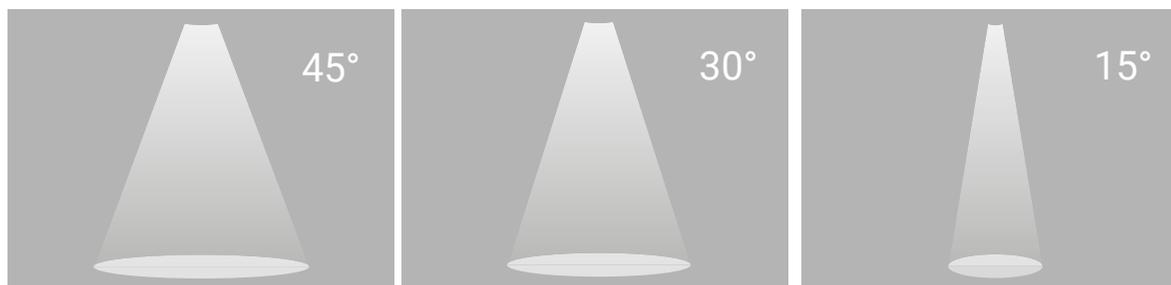
—  
Laser blade lights are one of the latest architectural lights for designing commercial and residential spaces, and galleries. In this product, the source of light is invisible to the eye and only the beam is seen. Which prevents any glare to the light and increases the quality of the space.



## 12 watt Laser Blade Track Light

### Technical Specification:

Luminous flux	1100Lm@ 5700K
Nominal power	12W
Consumable power	11.8W
Light efficiency	94.1 Lm/W
Max. Light intensity	1855cd
Color rendering index(CRI)	CRI>95
Number and type of LED	5pcs 3035 High Power LEDs
Specification of input Voltage	190-265VAC
Input current	84mA,PF>0.5
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y



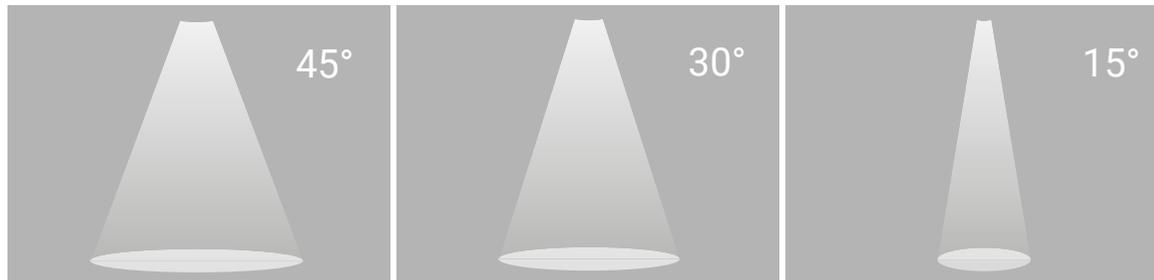
Available reflectors



## 25 watt Laser Blade Track Light

### Technical Specification:

Luminous flux	2122Lm@ 5700K
Nominal power	25W
Consumable power	22.5W
Light efficiency	94.3 Lm/W
Max. Light intensity	3748cd
Color rendering index(CRI)	CRI>95
Number and type of LED	10pcs 3035 High Power LEDs
Specification of input Voltage	190-265VAC
Input current	110mA,PF>0.95 (5Y) 185mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y



Available reflectors

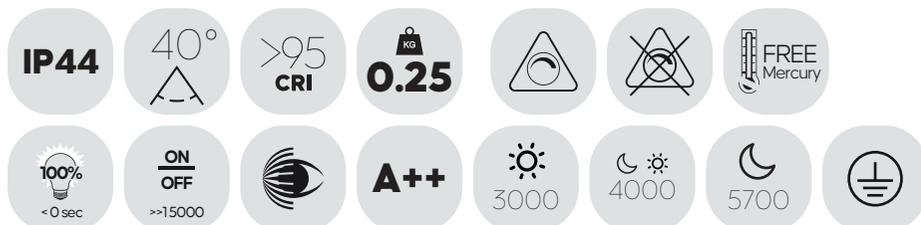


# 12 watt Laser Blade Recessed Light

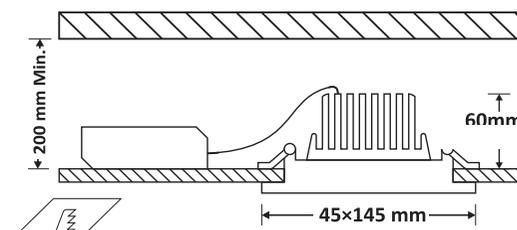
## Technical Specification:

Luminous flux	1113Lm @ 5700K
Nominal power	12W
Consumable power	11.9W
Light efficiency	93.5 Lm/W
Max. Light intensity	1947cd
Color rendering index(CRI)	CRI>95
Number and type of LED	5pcs 3035 High Power LEDs
Specification of input Voltage	190-265VAC
Input current	85mA,PF>0.5
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
DRS12A-W	5700K - Cool white	1113Lm
DRS12A -M	4000K - Natural	1010Lm
DRS12A -Y	3000K - Warm white	1016Lm



## — Installation method



# 25 watt Laser Blade Recessed Light

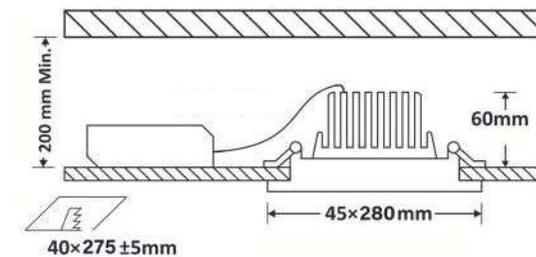
## Technical Specification:

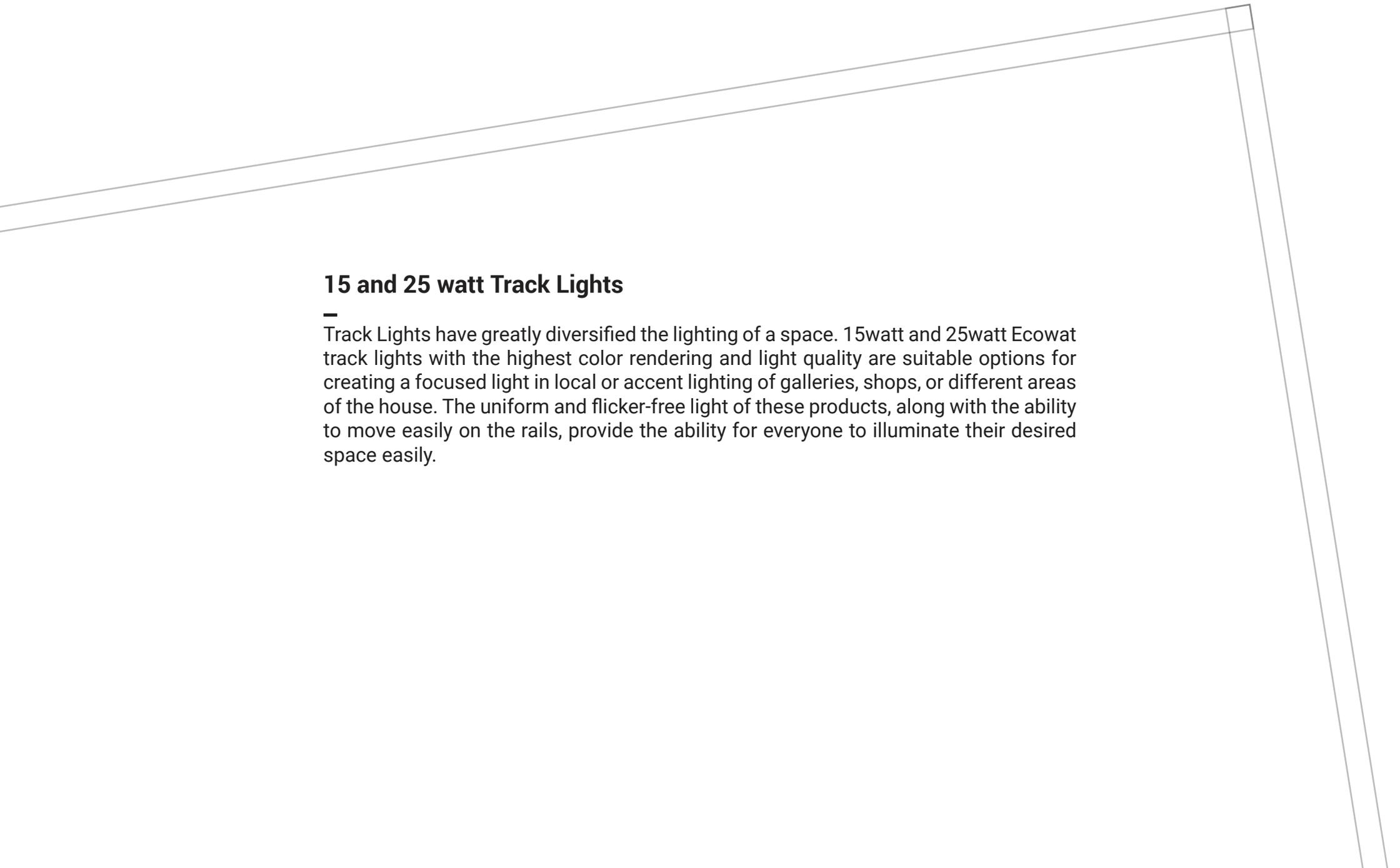
Luminous flux	2122Lm@ 5700K
Nominal power	25W
Consumable power	22.5W
Light efficiency	94.3 Lm/W
Max. Light intensity	3748cd
Color rendering index(CRI)	CRI>95
Number and type of LED	10pcs 3035 High Power LEDs
Specification of input Voltage	190-265VAC
Input current	110mA,PF>0.95 (5Y) 185mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
DRS25A-W	5700K - Cool white	2120Lm
DRS25A -M	4000K - Natural	1925Lm
DRS25A -Y	3000K - Warm white	1923Lm



### Installation method





## **15 and 25 watt Track Lights**

Track Lights have greatly diversified the lighting of a space. 15watt and 25watt Ecowatt track lights with the highest color rendering and light quality are suitable options for creating a focused light in local or accent lighting of galleries, shops, or different areas of the house. The uniform and flicker-free light of these products, along with the ability to move easily on the rails, provide the ability for everyone to illuminate their desired space easily.



**Dental Clinic Project**

## 15 watt Track Light

### Technical specification:

Luminous flux	1326Lm @ 5700K
Nominal power	15W
Consumable power	12.6W
Light efficiency	105.2 Lm/W
Max. Light intensity	2083cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (48pcs Nichia Chips)
Specification of input Voltage	190-265 VAC
Input current	105mA, PF>0.5
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	L-style single-phase rail or 3-phase rail (instruction of rail selection on the page 82)

Model	Color temperature	Luminous flux
TR15B-W	5700K - Cool white	1326Lm
TR15B -M	4000K - Natural	1204Lm
TR15B -Y	3000K - Warm white	1210Lm





## 25 watt Track Light

### Technical specification:

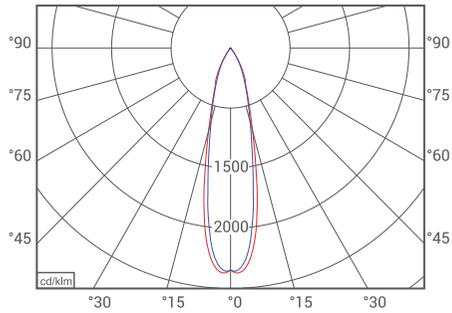
Luminous flux	2030Lm@ 5700K
Nominal power	25W
Consumable power	22.5W
Light efficiency	90.2 Lm/W
Max. Light intensity	4490cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (84pcs Nichia Chips)
Specification of input Voltage	190-265 VAC
Input current	110mA,PF>0.95 (5Y)/ 181mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	L-style single-phase rail or 3-phase rail (instruction of rail selection on the page 82)



Model	Color temperature	Luminous flux
TR25B-W	5700K - Cool white	2030Lm
TR25B -M	4000K - Natural	1843Lm
TR25B -Y	3000K - Warm white	1853Lm

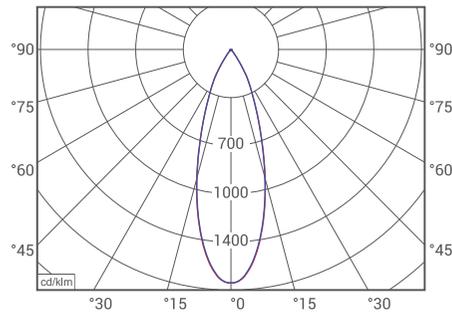
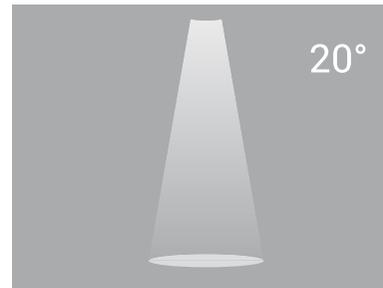


### Available reflectors



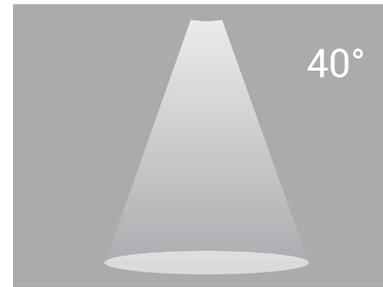
distance [m]	E [lx]	
1.0(Ø 0.45m)	3753	3753
2.0(Ø 0.9m)	938	938
3.0(Ø 1.35m)	417	417
4.0(Ø 1.8m)	234	234

### Radiation angle 20 degrees

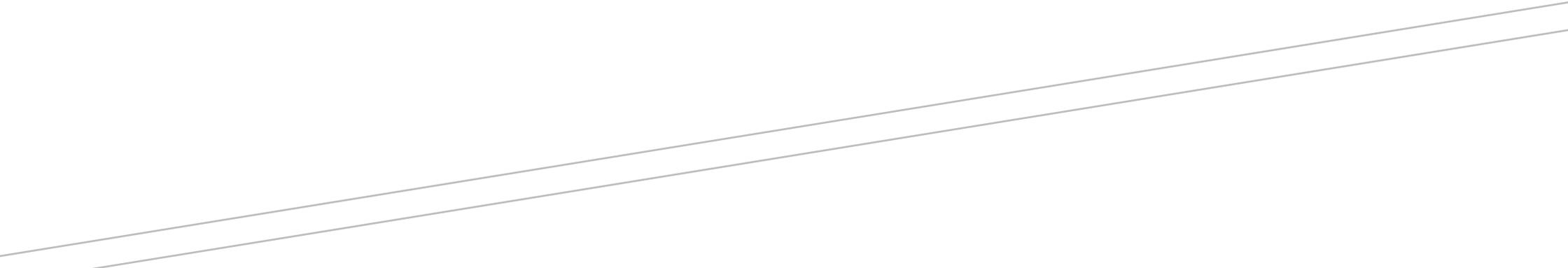


distance [m]	E [lx]	
1.0(Ø 0.60m)	2520	2520
2.0(Ø 1.19m)	630	630
3.0(Ø 1.79m)	280	280
4.0(Ø 2.39m)	157	157

### Radiation angle 40 degrees



**IP44**  
 20° / 40°  
 >95 CRI  
 0.58 kg  
 FREE Mercury  
 100% <1sec  
 ON/OFF >>15000  
 A++  
 color PRODUCT  
 3000  
 4000  
 5700  
 ⚡



### **35 watt Ray Spot Armatür**

—  
Due to the sufficient and high-quality light, these popular products can be used to conjunctively provide general and accent lighting in shopping centers, offices, galleries and houses. Variety in body appearance in addition to the ability to be used as a surface-mounted light has made this category one of the most practical LED lights as a means to modern lighting.



Halı mağazası projesi

## 35 watt Track Light | Type B

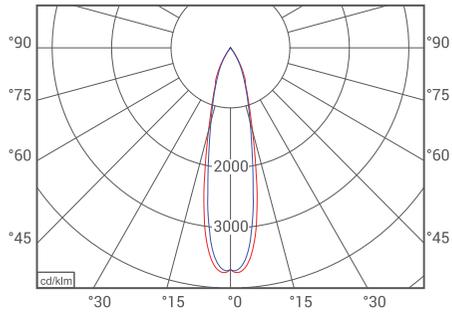
### Technical specification:

Luminous flux	3025Lm @ 5700K
Nominal power	35W
Consumable power	35.5W
Light efficiency	90.3 Lm/W
Max. Light intensity	4908cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (120pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	149 mA, PF> 0.95 (5Y) 304 mA, PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	L-style single-phase rail or 3-phase rail (instruction of rail selection on the page 82)

Model	Color temperature	Luminous flux
TR35B-W	5700K - Cool white	3025Lm
TR35B -M	4000K - Natural	2747Lm
TR35B-Y	3000K - Warm white	2762Lm

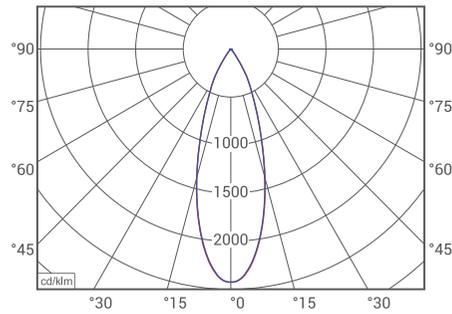
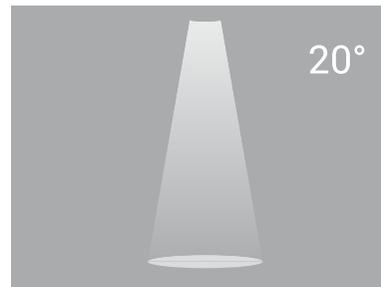


Available reflectors



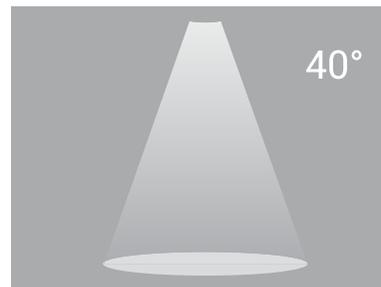
distance [m]	E [lx]	
1.0(Ø 0.45m)	5362	10727
2.0(Ø 0.9m)	1340	2682
3.0(Ø 1.35m)	596	1192
4.0(Ø 1.8m)	335	670

Radiation angle 20 degrees

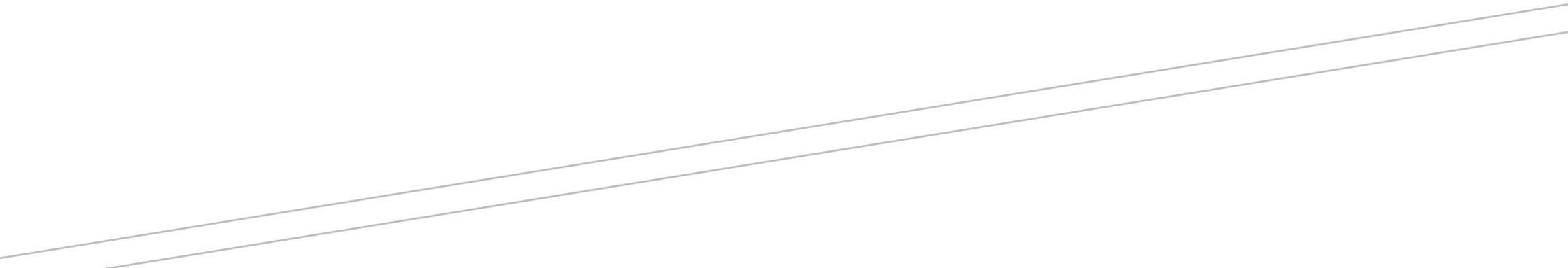


distance [m]	E [lx]	
1.0(Ø 0.60m)	3601	7453
2.0(Ø 1.19m)	900	1863
3.0(Ø 1.79m)	400	828
4.0(Ø 2.39m)	225	466

Radiation angle 40 degrees



IP44
20° / 40°
>95 CRI
0.75 KG
□
⚠
FREE Mercury
100% <0 sec
ON / OFF >>15000
👁
A++
color PRODUCT
☀ 3000
🌙 4000
🌑 5700
⚡



## **60 watt Track Light**

—  
The brightest Ecowat track lights are used in stores, large places or high-ceiling spaces. The special design and appearance of these lights along with the high color rendering index and the desired amount of light output have made them the best choice for track lighting in large and high-ceiling spaces.



## 60 watt Track Light

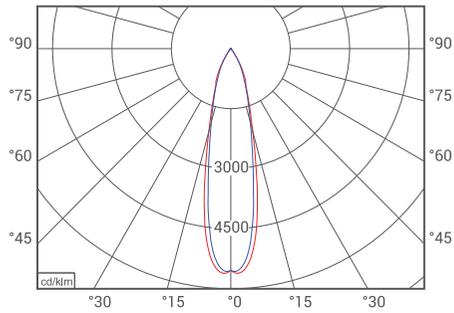
### Technical specification:

Luminous flux	5001Lm@ 5700K
Nominal power	60W
Consumable power	55.5 W
Light efficiency	90.1 Lm/W
Max. Light intensity	9108 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (216pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	284 mA, PF> 0,95 (5Y) 522 mA, PF>0.5(3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	L-style single-phase rail or 3-phase rail (instruction of rail selection on the page 82)

Model	Color temperature	Luminous flux
TR60B-W	5700K - Cool white	5001Lm
TR60B-M	4000K - Natural	4540Lm
TR60B-Y	3000K - Warm white	4566Lm

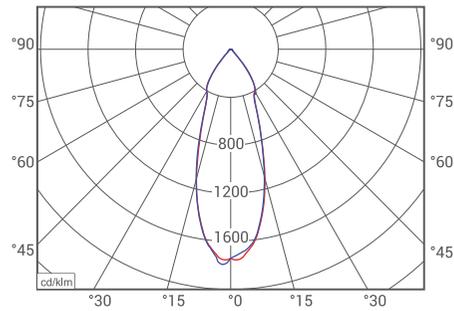
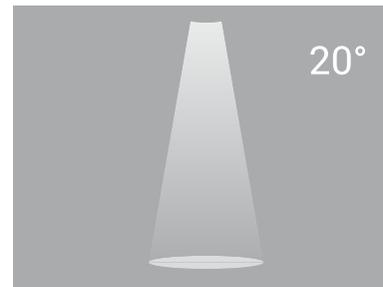


Available reflectors



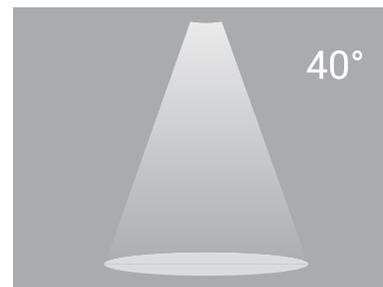
distance [m]	E [lx]	
1.0(Ø 0.45m)	8579	8579
2.0(Ø 0.9m)	2144	2144
3.0(Ø 1.35m)	953	953
4.0(Ø 1.8m)	536	536

Radiation angle 20 degrees

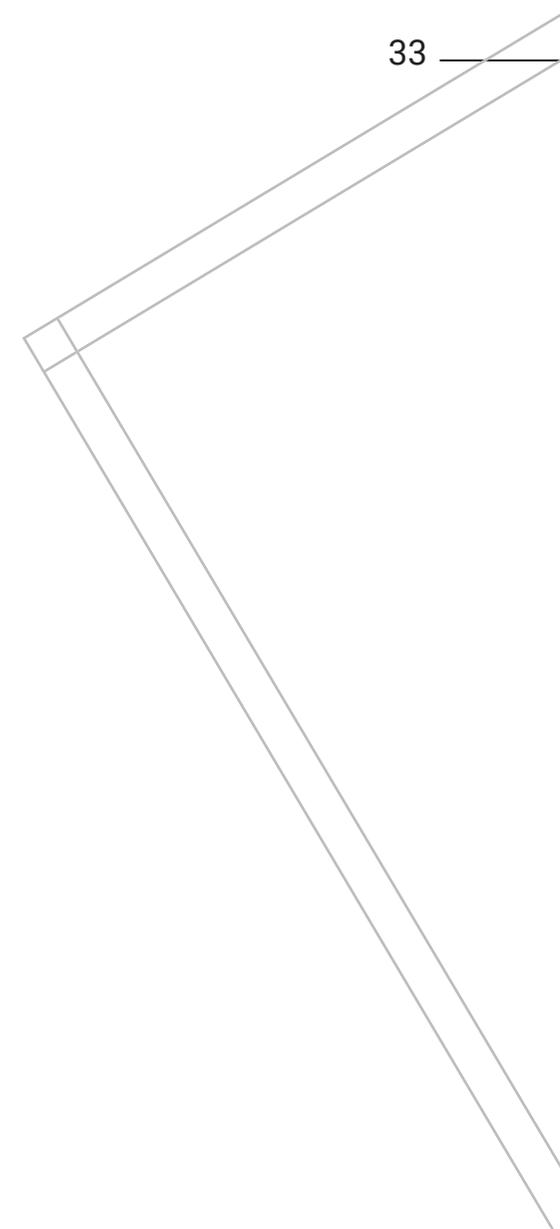


distance [m]	E [lx]	
1.0(Ø 0.65m)	4197	4197
2.0(Ø 1.29m)	1049	1049
3.0(Ø 1.94m)	466	466
4.0(Ø 2.58m)	262	262

Radiation angle 40 degrees



**IP44**  
 20° / 40°  
 >95 CRI  
 1.45 kg  
 Mercury-free  
 100% < 0 sec  
 ON/OFF >>15000  
 A++  
 color PRUDUCT  
 60 watt  
 3000  
 4000  
 5700  
 Grounding symbol



# 15 watt Side Radiation Surface Mounted

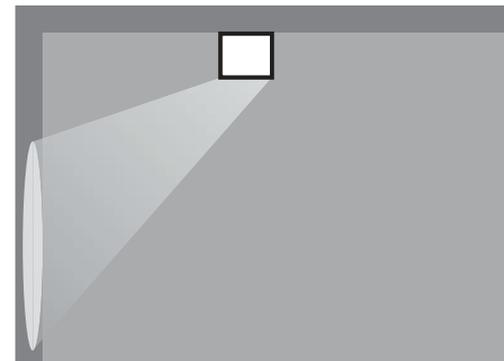
Technical specification:

Luminous flux	1160Lm @ 5700K
Nominal power	15W
Consumable power	12.5W
Light efficiency	92.8 Lm/W
Max. Light intensity	1058cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (84pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	105mA,PF>0.5
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
ACR15A-W	5700K - Cool white	1160Lm
ACR15A -M	4000K - Natural	1053Lm
ACR15A -Y	3000K - Warm white	1059Lm



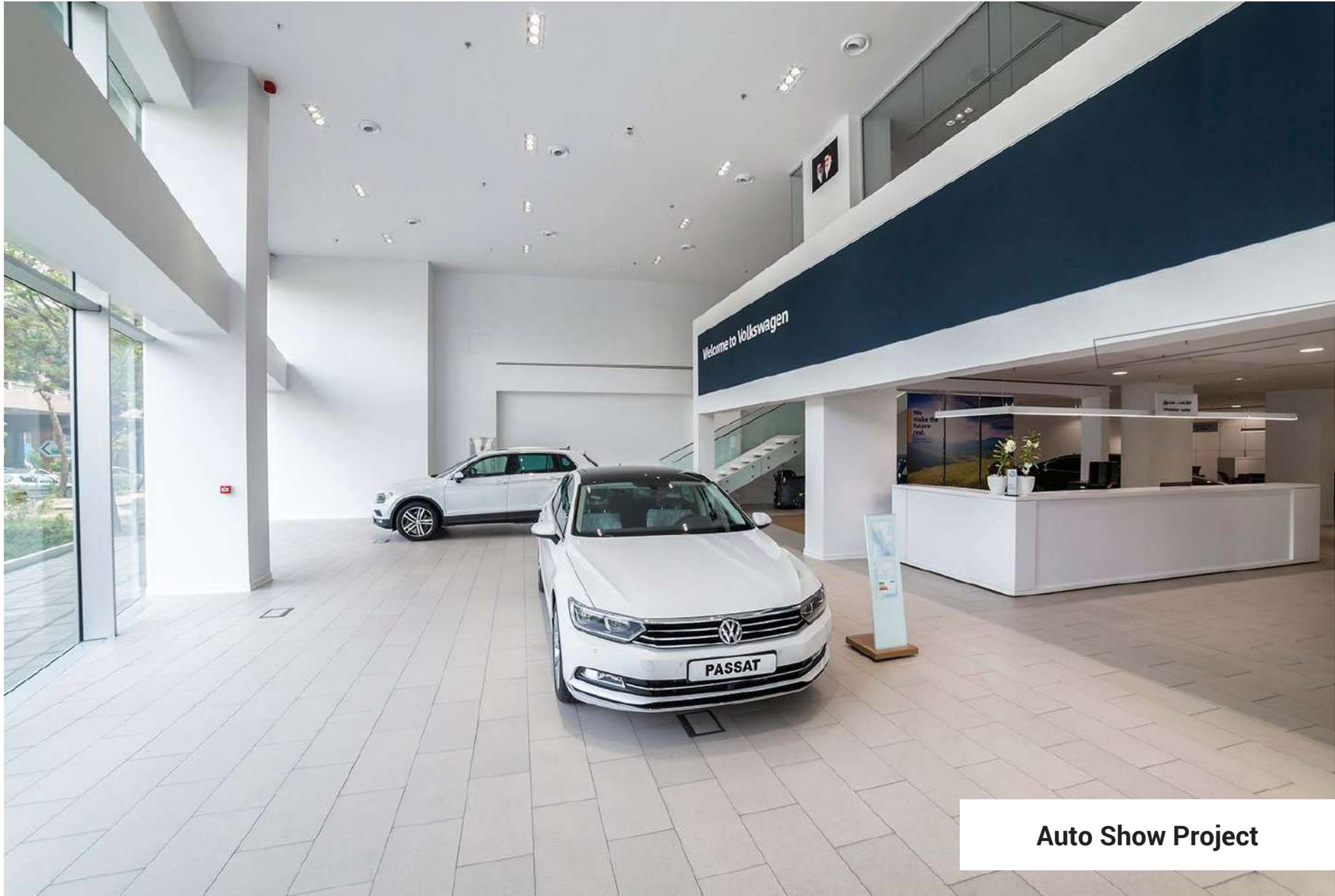
Lateral radiation





## **AR111 Downlights**

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The AR111 downlight in 25W and 35W types are the best alternative for metal halide and halogen lamps. In terms of light quality, power consumption and amount of generated heat as well as longevity, AR111 is very suitable for recessed lighting behind a false ceiling. There is a high-quality chip used in this product and has an output light with a high color rendering index (CRI > 95), also, the heatsink used in it causes the maximum generated heat transfer by the light to the outside, which has a significant impact on increasing the products' service-life. Furthermore, 4 types of available frames for AR111 installation, create a great variety of applications for these lights.



**Auto Show Project**

## AR111 25 watt COB LED

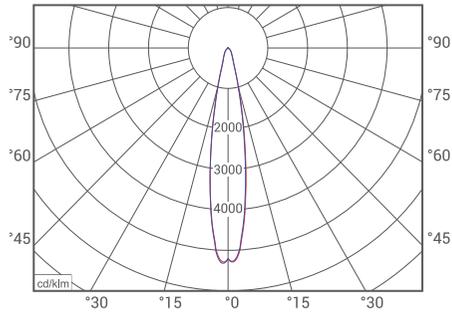
### Technical specification:

Luminous flux	2059Lm@ 5700K
Nominal power	25W Mevcut reflektörler
Consumable power	22.5W
Light efficiency	91.5 Lm/W
Max. Light intensity	11561cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (84 pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	110mA,PF>0.95 (5Y) 185mA , PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Recessed frames	Round frame, Square frame, 2*1 frame, 3*1 frame (instruction of frame selection on the page 87)

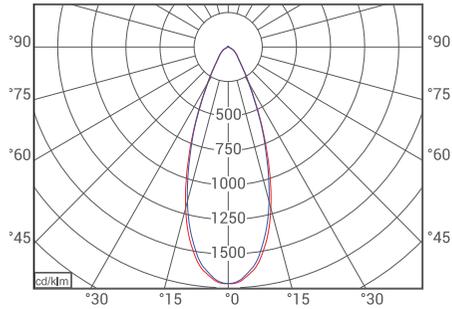
Model	Color temperature	Luminous flux
AR25A-W	5700K - Cool white	2059Lm
AR25A -M	4000K - Natural	1869Lm
AR25A -Y	3000K - Warm white	1880Lm



Available reflectors

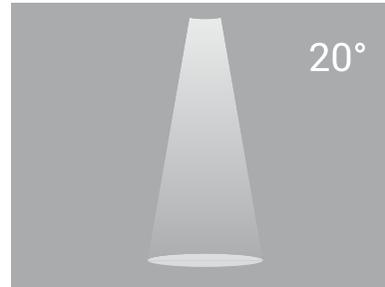


distance [m]	E [lx]	
1.0(∅ 0.33m)	5427	10707 5427
2.0(∅ 0.66m)	1357	2677 1357
3.0(∅ 0.99m)	603	1190 603
4.0(∅ 1.32m)	339	669 339

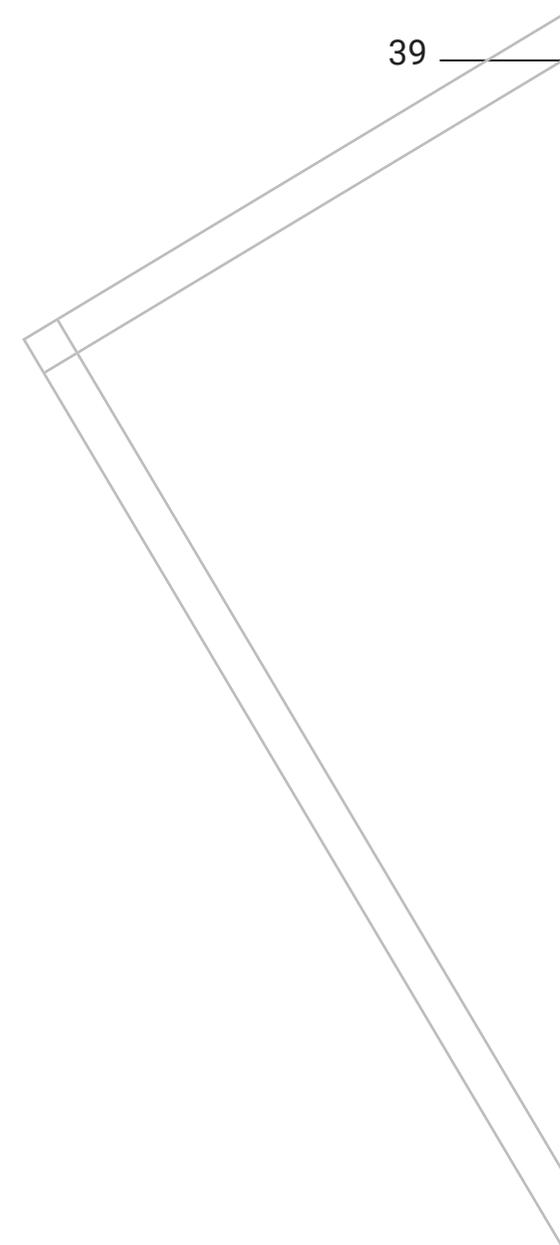
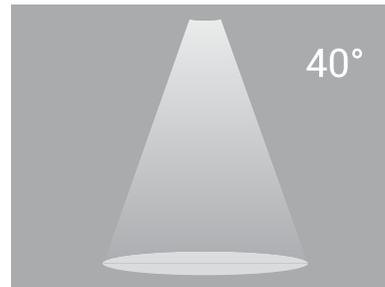


distance [m]	E [lx]	
1.0(∅ 0.72m)	1652	3496 1652
2.0(∅ 1.44m)	413	874 413
3.0(∅ 2.16m)	184	388 184
4.0(∅ 2.88m)	103	218 103

Radiation angle 20 degrees



Radiation angle 40 degrees



- IP44**
- 20°  
40°
- >95  
**CRI**
- 0.3  
kg
- 
- FREE  
Mercury
- 100%  
< 0 sec
- ON  
OFF  
>>15000
- 
- A++**
- 25  
watt
- 3000
- 4000
- 5700
-

## AR111 35 watt COB LED

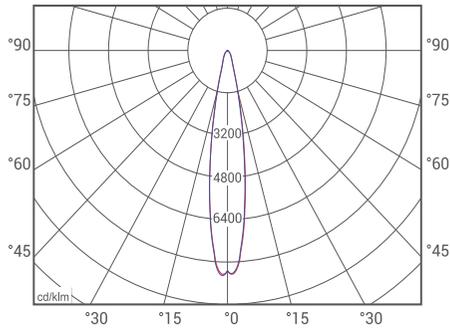
### Technical specification:

Luminous flux	2973Lm@ 5700K
Nominal power	35W
Consumable power	33W
Light efficiency	90.1 Lm/W
Max. Light intensity	5209cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (144 pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	147 mA, PF> 0.95 (5Y) 304mA , PF> 0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Recessed frames	Round frame, Square frame, 2*1 frame, 3*1 frame (instruction of frame selection on the page 87)

Model	Color temperature	Luminous flux
AR35A-W	5700K - Cool white	2937Lm
AR35A -M	4000K - Natural	2700Lm
AR35A -Y	3000K - Warm white	2715Lm

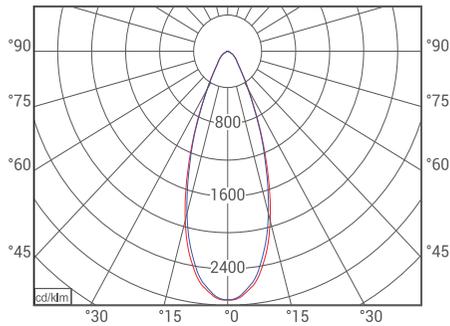


**Available reflectors**



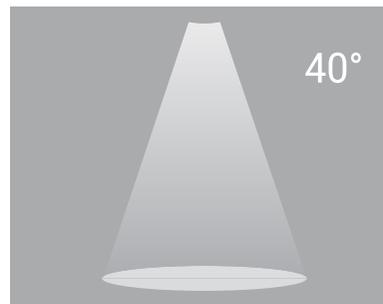
distance [m]	E [lx]	
1.0(Ø 0.33m)	8683	17131
2.0(Ø 0.66m)	2171	4283
3.0(Ø 0.99m)	964	1904
4.0(Ø 1.32m)	542	1070

**Radiation angle 20 degrees**

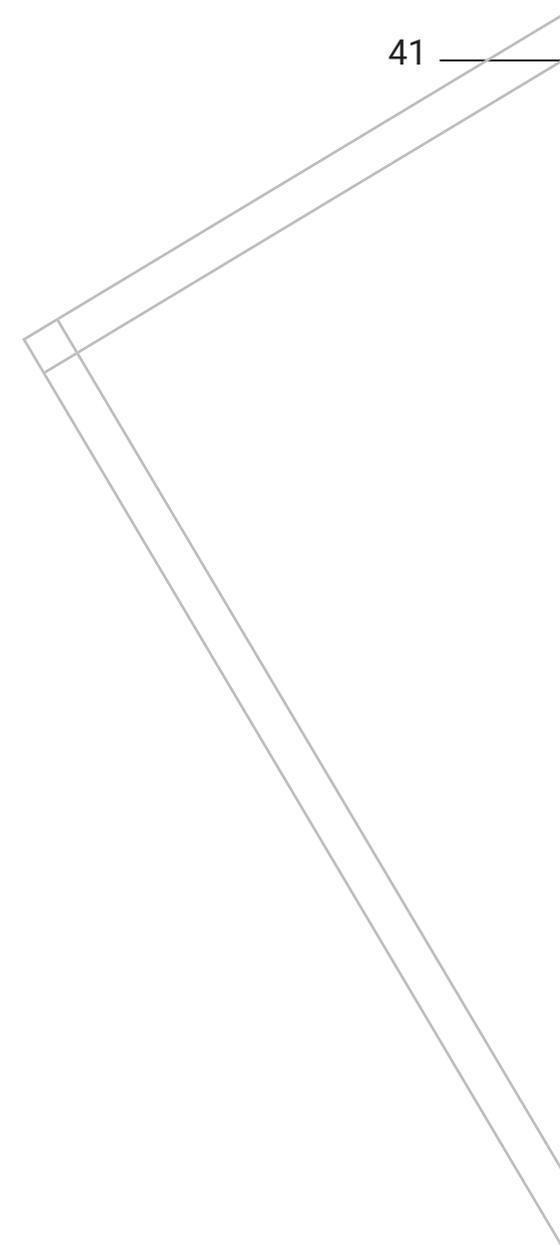


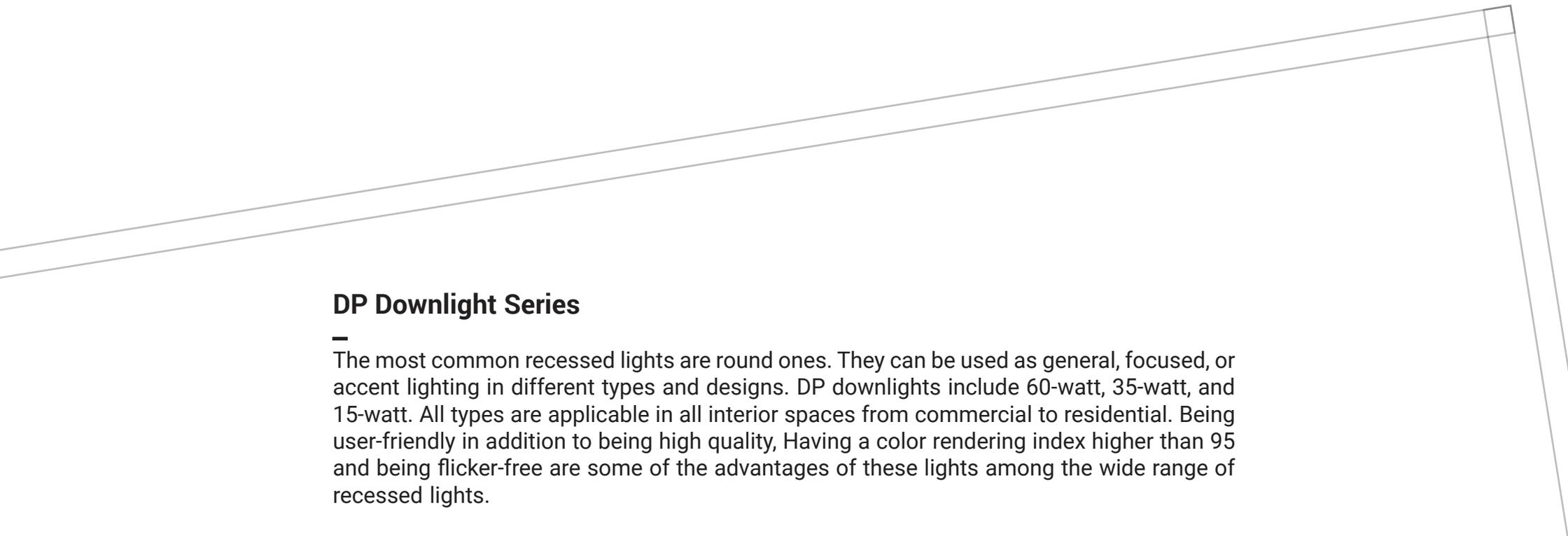
distance [m]	E [lx]	
1.0(Ø 0.72m)	2643	5593
2.0(Ø 1.44m)	660	1398
3.0(Ø 2.16m)	294	620
4.0(Ø 2.88m)	164	348

**Radiation angle 40 degrees**



- IP44**
- 20°  
40°
- >95  
**CRI**
- 0.4
- FREE  
Mercury
- 100%  
< 0 sec
- ON  
OFF  
>>15000
- A++**
- 35  
**watt**
- 3000
- 4000
- 5700
- 





## **DP Downlight Series**

—  
The most common recessed lights are round ones. They can be used as general, focused, or accent lighting in different types and designs. DP downlights include 60-watt, 35-watt, and 15-watt. All types are applicable in all interior spaces from commercial to residential. Being user-friendly in addition to being high quality, Having a color rendering index higher than 95 and being flicker-free are some of the advantages of these lights among the wide range of recessed lights.



## 15 watt Recessed COB Lamp|DP15

### Technical specification:

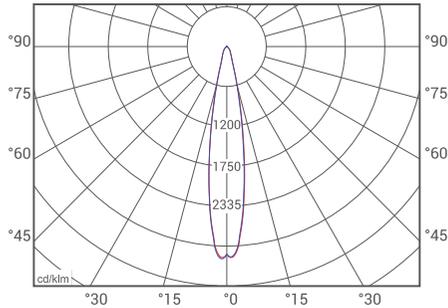
Luminous flux	933.1Lm@ 5700K
Nominal power	15W
Consumable power	12.5W
Light efficiency	81.2 Lm/W
Max. Light intensity	2002cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (48pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	105mA,PF>0.5



Model	Color temperature	Luminous flux
DP15A-W	5700K - Cool white	1015Lm
DP15A -M	4000K - Natural	922Lm
DP15A -Y	3000K - Warm white	927Lm

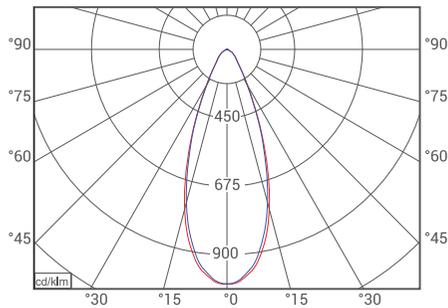
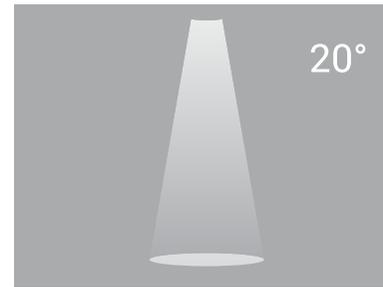


Available reflectors



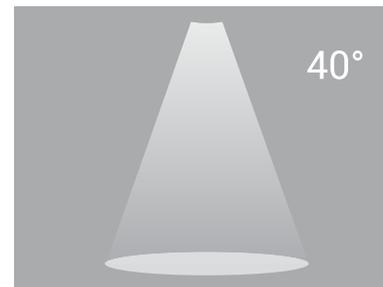
distance [m]	E [lx]	
1.0(Ø 0.33m)	3166	6246
2.0(Ø 0.66m)	792	1562
3.0(Ø 0.99m)	352	695
4.0(Ø 1.32m)	198	391

Radiation angle 20 degrees



distance [m]	E [lx]	
1.0(Ø 0.6m)	1620	3353
2.0(Ø 1.19m)	405	838
3.0(Ø 1.79m)	180	372
4.0(Ø 2.39m)	101	209

Radiation angle 40 degrees



IP44   20° / 40°   >95 CRI   0.3   ø8cm   FREE Mercury   100% -0 sec   ON/OFF >>15000

Eye icon   A++   color PRODUCT   15 watt   3000   4000   5700   Grounding symbol

## 35 watt Recessed COB Lamp | DP35

### Technical specification:

Luminous flux	2901Lm@ 5700K
Nominal power	35W
Consumable power	31.5W
Light efficiency	92.1 Lm/W
Max. Light intensity	1366 cd
Color rendering index(CRI)	CRI>80
Number and type of LED	COB LED (60 pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	142mA, PF>0.95 (5Y) 304mA , PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y



Model	Color temperature	Luminous flux
DP35A-W	5700K - Cool white	3194Lm
DP35A -M	4000K - Natural	2901Lm
DP35A -Y	3000K - Warm white	2919Lm



## 35 watt Rotatable Recessed Downlight

### Technical specification:

Luminous flux	2977Lm@ 5700K
Nominal power	35W
Consumable power	33W
Light efficiency	90.2 Lm/W
Max. Light intensity	5278cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (120 pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	155 mA, PF> 0.95 (5Y) 304mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
TL35A-W	5700K - Cool white	2977Lm
TL35A -M	4000K - Natural	2703Lm
TL35A -Y	3000K - Warm white	218Lm



## 60 watt Recessed COB Lamp | DP60

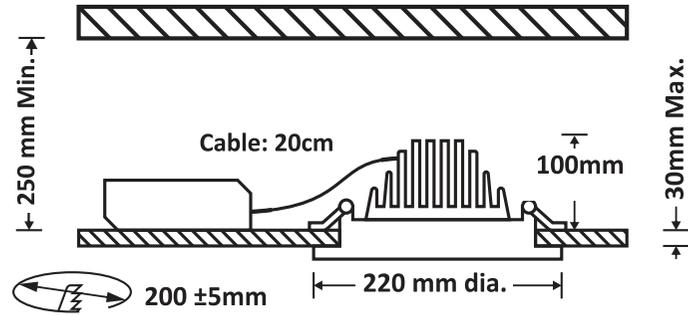
Technical specification:

Luminous flux	5187Lm@ 5700K
Nominal power	60W
Consumable power	55.6W
Light efficiency	93,3 Lm/W
Max. Light intensity	4736 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (216pcs Nichia Chips)
Specification of input Voltage	180-260 VAC
Input current	248mA,PF>0.95 (5Y) 522mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

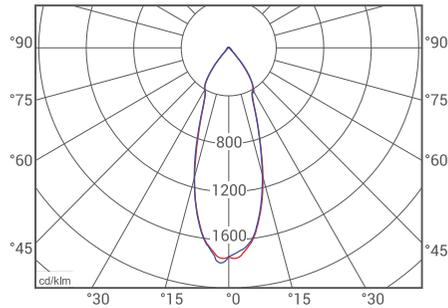
Model	Color temperature	Luminous flux
DP60A-W	5700K - Cool white	5187Lm
DP60A -M	4000K - Natural	4710Lm
DP60A -Y	3000K - Warm white	4736Lm



**—Installation method**

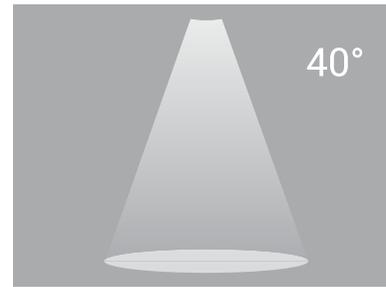


**Available reflectors**

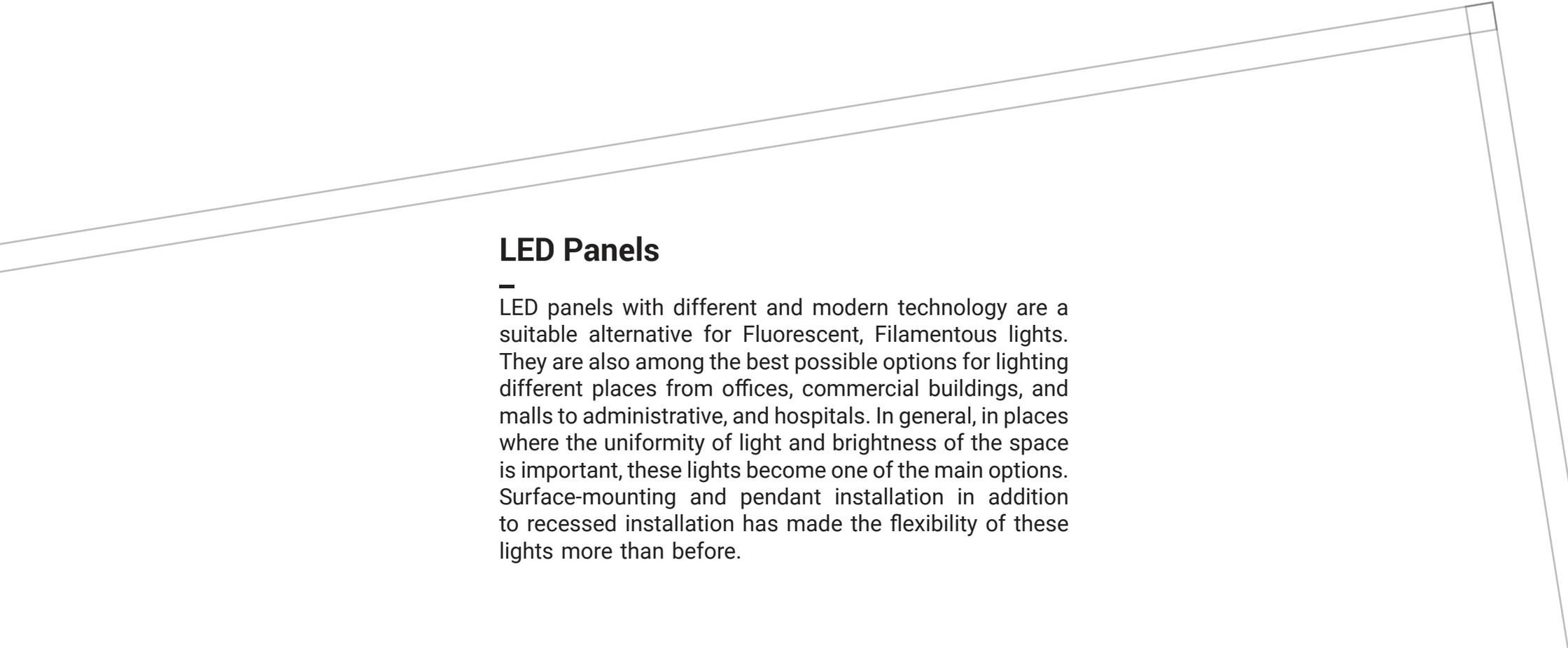


distance [m]	E [lx]	
1.0(∅ 0.65m)	4197	8703 4197
2.0(∅ 1.29m)	1049	2176 1049
3.0(∅ 1.94m)	466	967 466
4.0(∅ 2.58m)	262	544 262

**Radiation angle 40 degrees**



- IP44**
- 40°
- >95 CRI
- 0.76
- ∅20cm
- FREE Mercury
- 100% < 0 sec
- ON OFF >>15000
- A++
- 60 watt
- 3000
- 4000
- 5700
- ⏚

The top right corner of the page features a decorative graphic consisting of several thin, light gray lines. These lines form a series of parallel, slightly curved paths that converge towards the right edge, creating a sense of depth and movement. The lines are simple and minimalist, adding a modern touch to the layout.

## **LED Panels**

—  
LED panels with different and modern technology are a suitable alternative for Fluorescent, Filamentous lights. They are also among the best possible options for lighting different places from offices, commercial buildings, and malls to administrative, and hospitals. In general, in places where the uniformity of light and brightness of the space is important, these lights become one of the main options. Surface-mounting and pendant installation in addition to recessed installation has made the flexibility of these lights more than before.



## 60 watt Ceiling Panel LED

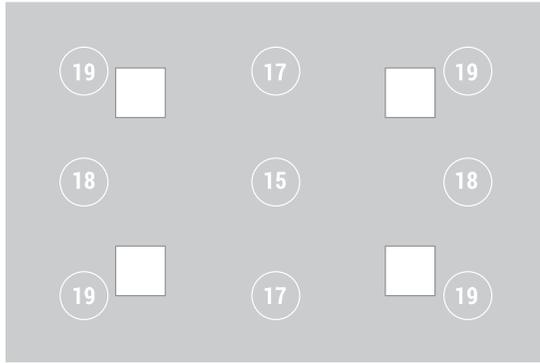
### Technical specification:

Luminous flux	4911Lm@ 5700K
Nominal power	60W
Consumable power	56.3W
Light efficiency	91 Lm/W
Max. Light intensity	1749cd
Color rendering index(CRI)	CRI>85
Number and type of LED	64pcs 1W 2835 SMD LED
Specification of input Voltage	190-265VAC
Input current	231 mA, PF> 0,95(5Y) 522 mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y



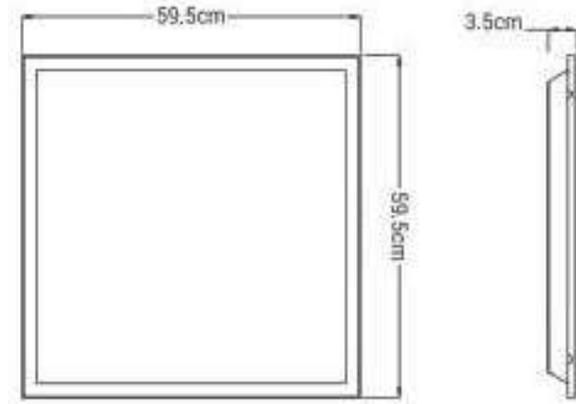
Model	Color temperature	Luminous flux
PN60B-W	5700K - Cool white	4923Lm
PN60B -M	4000K - Natural	4479Lm
PN60B -Y	3000K - Warm white	4495Lm



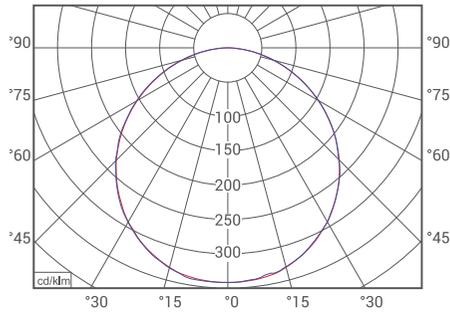


UGR Calculation:

Area: 24m<sup>2</sup>  
 Ceiling Height: 3m  
 Average Level of Brightness:

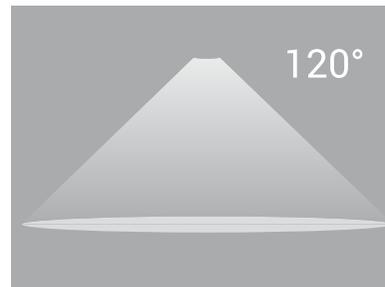


Available reflectors

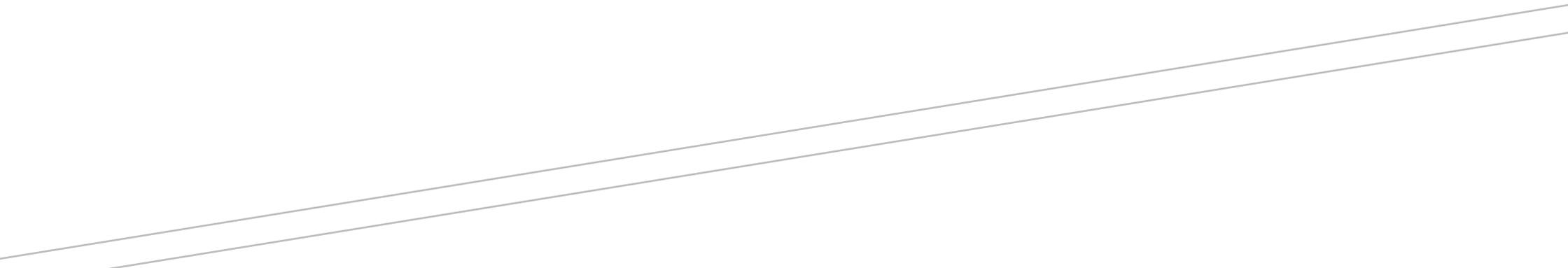


distance [m]	E [lx]	
1.0(∅ 3.06m)	460	2044 460
2.0(∅ 6.11m)	115	512 115
3.0(∅ 9.17m)	51	227 51
4.0(∅ 12.23m)	29	128 29

Radiation angle 120 degrees



- IP44**
- 120°
- >85 CRI
- 1.9
- 
- FREE Mercury
- 100% < 0 sec
- ON OFF >>15000
- 
- A++**
- 60 watt
- 3000
- 4000
- 5700
-



## **T5 LED Lights**

—  
The use of linear light with indirect radiation and the so-called hidden light is very popular in all spaces from commercial to residential. These products have the capability to connect to each other, are used both as hidden light (Cove Lighting) and as a surface-mount to create a special effect in the decoration concept of your desired space.



## T5 LED Light

Model	T5120	T590	T560	T530
Luminous flux	1621Lm@5700K	1220Lm@5700K	803Lm@5700K	347Lm@5700K
Nominal power	18W	14W	9W	4W
Consumable power	17.7W	13.2W	8.7W	3.8W
Light efficiency	92.6Lm/W	92.4Lm/W	92.3Lm/W	91.2Lm/W
Max. Light intensity	593cd	521cd	485cd	322cd
Color rendering index(CRI)	CRI>85	CRI>85	CRI>85	CRI>85
Number and type of LED	90pcs 2835 SMD LED	60pcs 2835 SMD LED	45pcs 2835 SMD LED	20pcs 2835 SMD LED
Specification of input Voltage	190-265VAC	190-265VAC	190-265VAC	190-265VAC
Input current	80mA, PF>0.90	67mA, PF>0.90	43mA, PF>0.90	19mA, PF>0.90

Model	T5120	T590	T560	T530
Luminous Flux	1863Lm@5700k	1308Lm@5700k	948Lm@5700k	435Lm@5700k
	1767Lm@4000K	1239Lm@4000K	908Lm@4000K	415Lm@4000K
	1680Lm@3000K	1175Lm@3000K	863Lm@3000K	391Lm@3000K



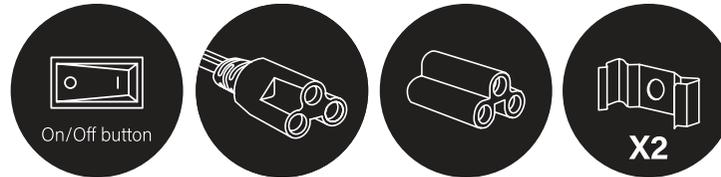
This lamp does not need a starter and is connected directly to electricity.

This product comes with an input terminal including a wire, as well as an interface for linear connection to another light.

Direct connection to 220V electricity.

Due to the internal connection of the light bases in a dual way, based on the following diagram, several lights can be turned on with an input branch as a parallel connection with less cable consumption.

Options and Accessories



30cm - 4W



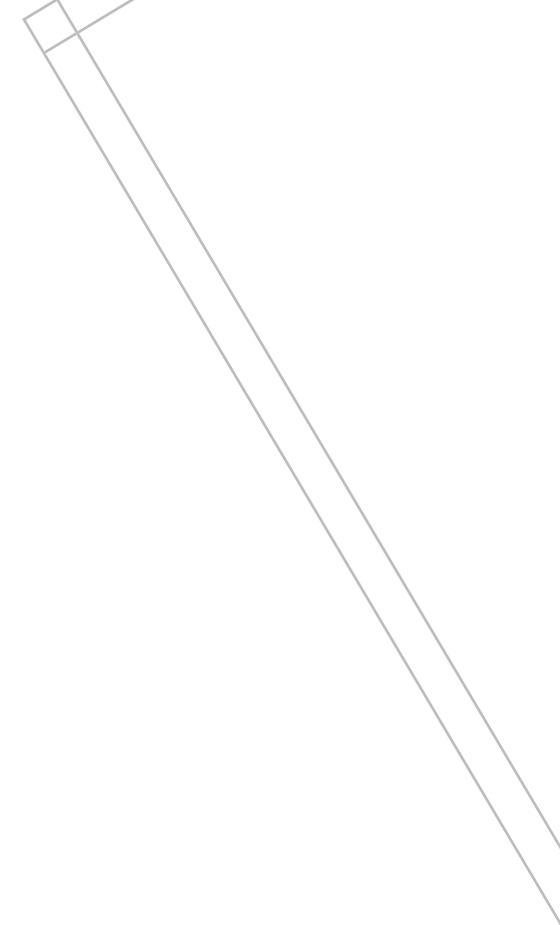
60cm - 9W

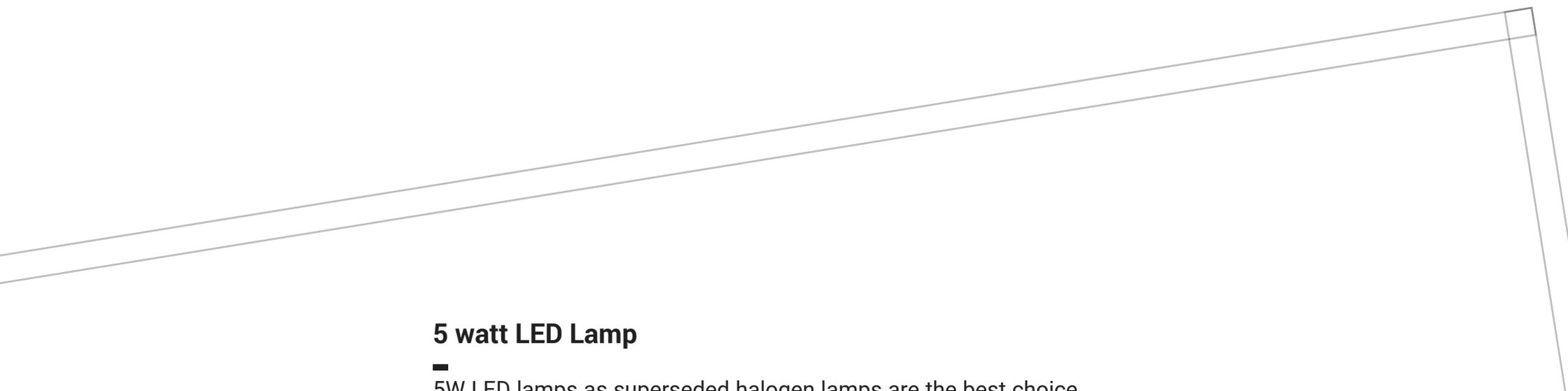


90cm - 14W



120cm - 18W





## **5 watt LED Lamp**

5W LED lamps as superseded halogen lamps are the best choice for lighting smart houses with dimmability and capability options for light adjustment. Extensive use of this lamp in different places of the interior space, in addition to the desired quality of output light, has made this lamp the best alternative to high-consumption and halogen heat-generating lamps, in all respects.



## 5 watt Halogen LED Lamp

Technical specification:

Luminous flux	501Lm @ 5700K
Nominal power	5W
Consumable power	4.9W
Light efficiency	102,3 Lm/W
Max. Light intensity	3439 cd
Color rendering index(CRI)	CRI> 95
Number and type of LED	COB LED (15pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	43mA,PF>0.5,DimPF>0.9
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	Anti-glare frame (page 86)



Model	Color temperature	Luminous flux
B505-W	5700K - Cool white	501Lm
B505-M	4000K - Natural	455Lm
B505-Y	3000K - Warm white	458Lm





## 15 watt Halogen Recessed Lamp

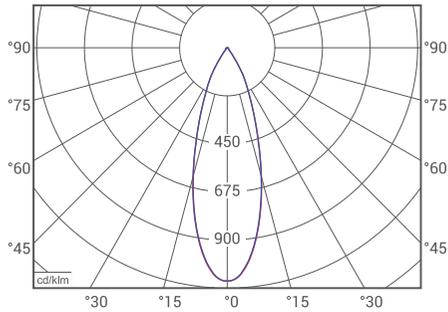
### Technical specification:

Luminous flux	1169Lm@5700K
Nominal power	15W
Consumable power	11.8W
Light efficiency	93.5 Lm/W
Max. Light intensity	2007cd
Color rendering index(CRI)	CRI>85
Number and type of LED	COB LED (48pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	105mA,PF>0.5
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Accessories	Anti-glare frame (page 86)

Model	Color temperature	Luminous flux
HA15A-W	5700K - Cool white	1169Lm
HA15A -M	4000K - Natural	1061Lm
HA15A -Y	3000K - Warm white	1067Lm

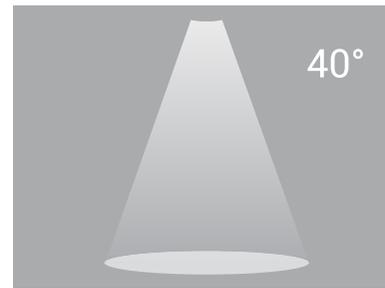


### Available reflectors

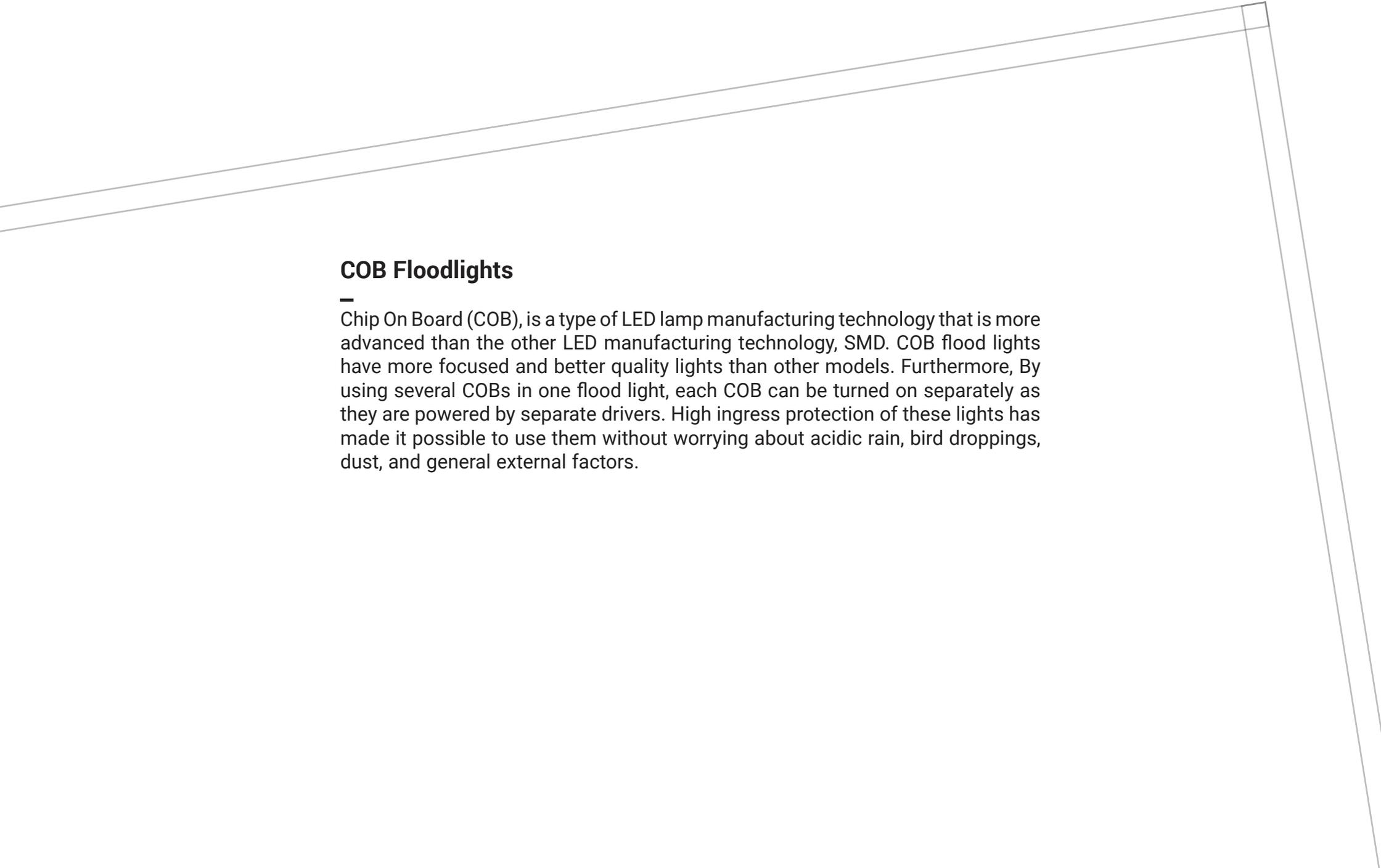


distance [m]	E [lx]	
1.0(Ø 0.60m)	1620	3353
2.0(Ø 1.19m)	405	838
3.0(Ø 1.79m)	180	372
4.0(Ø 2.39m)	101	209

### Radiation angle 40 degrees



- IP44
- >85 CRI
- 0.08
- 12V
- ⚠️
- ⚠️
- DIALUX Plug-in
- 👁️
- A++
- 32 watt
- ☀️ 3000
- 🌙 4000
- 🌙 5700
- ⚡️



## **COB Floodlights**

—  
Chip On Board (COB), is a type of LED lamp manufacturing technology that is more advanced than the other LED manufacturing technology, SMD. COB flood lights have more focused and better quality lights than other models. Furthermore, By using several COBs in one flood light, each COB can be turned on separately as they are powered by separate drivers. High ingress protection of these lights has made it possible to use them without worrying about acidic rain, bird droppings, dust, and general external factors.



## 35 watt COB LED Floodlight

### Technical specification:

Luminous flux	3122Lm@ 5700K
Nominal power	35W
Consumable power	34.2W
Light efficiency	91.3 Lm/W
Max. Light intensity	1973 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (216pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	56mA,PF>0.95 (5Y) 304mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR35A-W	5700K - Cool white	3122Lm
PR35A -M	4000K - Natural	2835Lm
PR35A -Y	3000K - Warm white	2851Lm



## 60 watt COB LED Floodlight

### Technical specification:

Luminous flux	5217Lm @ 5700K
Nominal power	60W
Consumable power	55.5W
Light efficiency	94 Lm/W
Max. Light intensity	2962 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	COB LED (216pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	249 mA, PF> 0,95 (5Y) 522mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR60A-W	5700K - Cool white	5217Lm
PR60A -M	4000K - Natural	4737Lm
PR60A -Y	3000K - Warm white	4763Lm



This floodlight can be manufactured with green and red light colors in addition to the white spectrum.



## 120 watt COB LED Floodlight

### Technical specification:

Luminous flux	10297Lm@ 5700K
Nominal power	120W
Consumable power	111.2W
Light efficiency	92.6 Lm/W
Max. Light intensity	5768 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	2x COB LED (216pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	498mA, PF> 0,95 (5Y) 1044mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR120-W	5700K - Cool white	10297Lm
PR120-M	4000K - Natural	9350Lm
PR120-Y	3000K - Warm white	9401Lm



In this flood light, you can turn on each COB individually. This flood light can be manufactured with green and red in addition to the white spectrum.



# 180 watt COB LED Floodlight

## Technical specification:

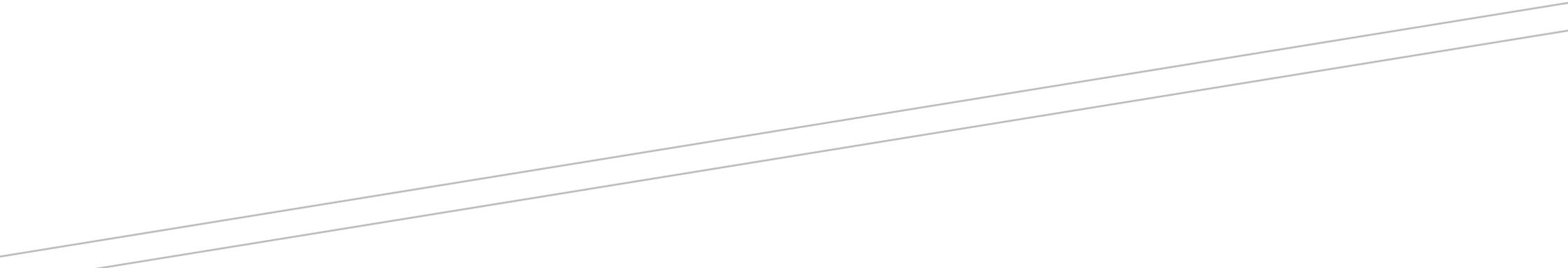
Luminous flux	16709Lm@ 5700K
Nominal power	180W
Consumable power	168.1W
Light efficiency	99,4 Lm/W
Max. Light intensity	9482 cd
Color rendering index(CRI)	CRI>95
Number and type of LED	3x COB LED (216pcs Nichia Chips)
Specification of input Voltage	190-265VAC
Input current	50 mA, PF> 0,95 (5Y) 1565mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR180A-W	5700K - Cool white	16709Lm
PR180A -M	4000K - Natural	15172Lm
PR180A -Y	3000K - Warm white	15255Lm



In this flood light, you can turn on each COB individually. This flood light is also manufactured with green and red lights, except for the white spectrum.





## **SMD Floodlights**

—  
This type of flood light has the highest light diffusion in comparison with others by using SMD technology. SMD flood lights are the best option for spaces where creating widespread and sufficient lighting on the exterior has more priority than the quality of output light and the lighting concept of the space.



## 30 watt LED SMD Floodlight

Technical specification:

Luminous flux	2948Lm@5700K
Nominal power	30W
Consumable power	29.1W
Light efficiency	101,3 Lm/W
Max. Light intensity	2523 cd
Color rendering index(CRI)	CRI>85
Number and type of LED	SMD LED 60pcs 2835 Chip
Specification of input Voltage	190-265VAC
Input current	133mA, PF> 0,95 (5Y) 261mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR30B-W	5700K - Cool white	2948Lm
PR30B -M	4000K - Natural	2677Lm
PR30B -Y	3000K - Warm white	2677Lm



# 50 watt LED SMD Floodlight

## Technical specification:

Luminous flux	4951Lm@5700K
Nominal power	50W
Consumable power	48.3W
Light efficiency	102.5 Lm/W
Max. Light intensity	4352cd
Color rendering index(CRI)	CRI>85
Number and type of LED	SMD LED 96pcs 2835 Chip
Specification of input Voltage	190-265VAC
Input current	219 mA, PF> 0,95 (5Y) 435mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR50B-W	5700K - Cool white	4951Lm
PR50B -M	4000K - Natural	4495Lm
PR50B -Y	3000K - Warm white	4520Lm



# 100 watt LED SMD Floodlight

## Technical specification:

Luminous flux	10960Lm@ 5700K
Nominal power	100W
Consumable power	98.4W
Light efficiency	102.6 Lm/W
Max. Light intensity	8799cd
Color rendering index(CRI)	CRI>85
Number and type of LED	SMD LED 200pcs 2835 Chip
Specification of input Voltage	190-265VAC
Input current	437 mA, PF> 0,95 (5Y) 869mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR100B-W	5700K - Cool white	10096Lm
PR100B -M	4000K - Natural	9167Lm
PR100B -Y	3000K - Warm white	9218Lm



# 150 watt LED SMD Floodlight

## Technical specification:

Luminous flux	15183Lm@5700K
Nominal power	150W
Consumable power	146.7W
Light efficiency	103.5 Lm/W
Max. Light intensity	13074cd
Color rendering index(CRI)	CRI>85
Number and type of LED	SMD LED 300 pcs2835 Chip
Specification of input Voltage	190-265VAC
Input current	656 mA, PF> 0,95 (5Y) 1304mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR150B-W	5700K - Cool white	15183Lm
PR150B -M	4000K - Natural	13787Lm
PR150B -Y	3000K - Warm white	13862Lm



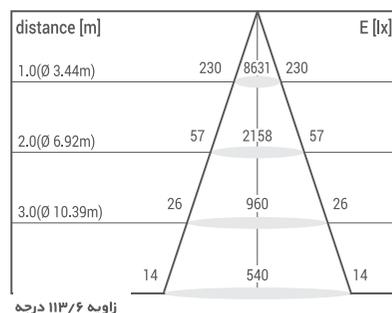
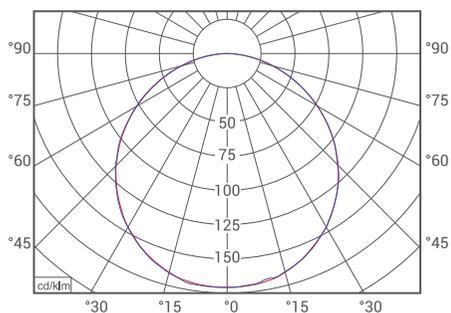
## 200 watt LED SMD Floodlight

Technical specification:

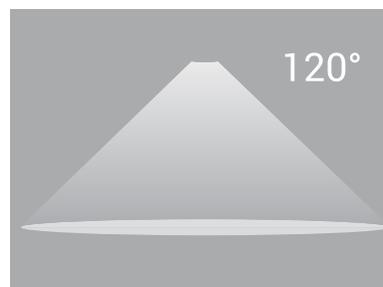
Luminous flux	20194Lm@5700K
Nominal power	200W
Consumable power	193.8W
Light efficiency	104,2 Lm/W
Max. Light intensity	15892cd
Color rendering index(CRI)	CRI>85
Number and type of LED	SMD LED 400pcs 2835 Chip
Specification of input Voltage	190-265VAC
Input current	877 mA, PF> 0,95 (5Y) 1739mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y

Model	Color temperature	Luminous flux
PR200B-W	5700K - Cool white	2019Lm
PR200B -M	4000K - Natural	18336Lm
PR200B -Y	3000K - Warm white	18437Lm

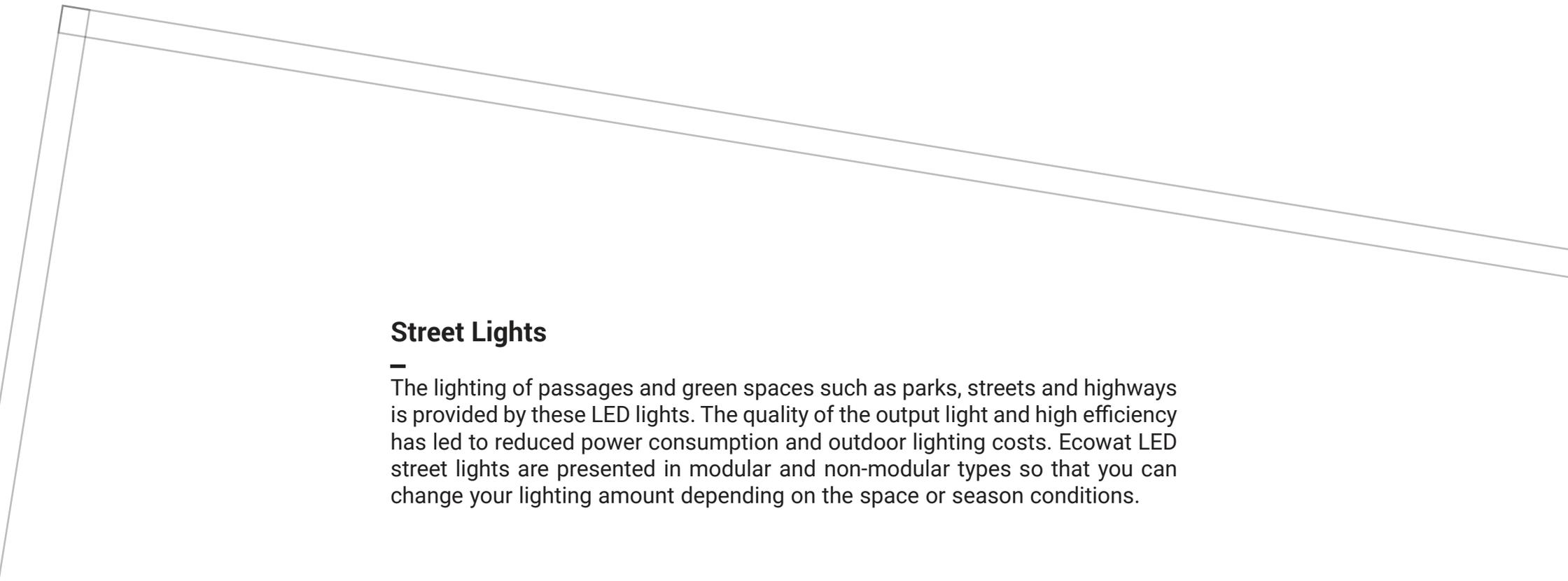
### Available reflectors



### Radiation angle 120 degrees







## **Street Lights**

—  
The lighting of passages and green spaces such as parks, streets and highways is provided by these LED lights. The quality of the output light and high efficiency has led to reduced power consumption and outdoor lighting costs. Ecowat LED street lights are presented in modular and non-modular types so that you can change your lighting amount depending on the space or season conditions.



# Street Light

## Technical specification:

—

Luminous flux	5228Lm@5700K
Nominal power	50W
Consumable power	48.1W
Light efficiency	108.7 Lm/W
Max. Light intensity	4860cd
Color rendering index(CRI)	CRI>85
Number and type of LED	48pcs 3030 OSRAM SMD LED
Specification of input Voltage	190-265VAC
Input current	204 mA, PF> 0,95 (5Y) 435mA,PF>0.5 (3Y)
Total harmonic distortion (THD)	THD ≤ 15% @ 5Y
Max. diameter of base pipe	6.5cm

Model	Color temperature	Luminous flux
SL50B-W	5700K - Cool white	5228Lm
SL50B -M	4000K - Natural	4747Lm
SL50B-Y	3000K - Warm white	4774Lm



50w



100w

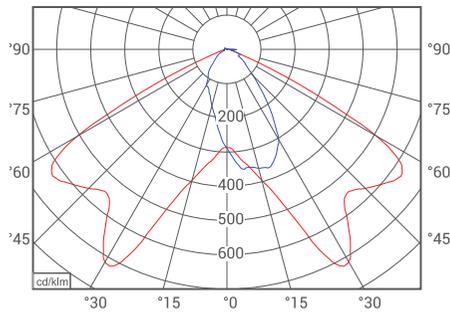


150w



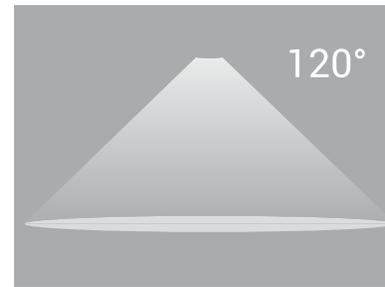
In street lights, every module can be controlled individually.  
 The weight of 50-watt street lights is 2.9 Kg.  
 The weight of 100-watt street lights is 3.6 Kg.  
 The weight of 150-watt street lights is 4.1 Kg

#### Available reflectors



distance [m]	E [lx]	
1.0 (Ø 3.78m)	1274	1150
2.0 (Ø 7.55m)	319	321
3.0 (Ø 11.33m)	142	125
4.0 (Ø 15.11m)	80	65

#### Radiation angle 120 degrees



## L-system Single-Phase Aluminium rail (connector/with terminal)

Technical specification:

Rail length	0.5m, 1.5m, 2m, 3m
Rail material	Aluminium
Type of conductor	Copper belt
Type of paint	Electrostatic powder paint
Accessories	Rigid pendant, pendant steel cable, different types of connection between two rails.



### Text of figure

#### 1m Headrail:

Consists of 92 cm of useful space for installing lights and 8 cm for the terminal



#### 1m Connecting rail:

Consists of 100 cm of useful space for installing lights



### Installation description:

Installation to the ceiling using screws and rawl plug or installation using pendant connectors.

### The difference between "head" and "connecting" rail:

In the headrail, the useful length of the rail is 8 cm shorter than the connecting rail due to the terminal.

### Connectors and fittings

— Cross tee(X), tee(T), 180°(I), hinged(V), 90°(L)

### Pendant

Type	Material	Color	Application Load	Bearing
Steel cable with height adjustment capability	Stainless steel	Steel	Rail, Linear light, surface-mounted 60*60 panel	20 kg
Constant pendant with height adjustment capability	Aluminum	Black and White	Rail, Linear light, surface-mounted 60*60 panel	20 kg



180°(I)



tee(T)



Cross tee(X)



— Steel cable with height adjustment capability



90°(L)



hinged(V)



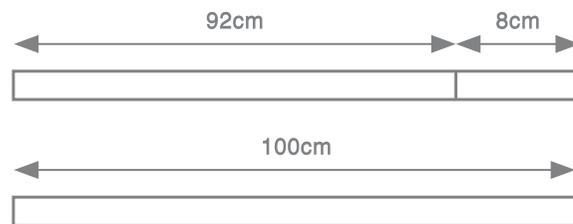
— Rigid pendant with height adjustment

## 3-Phase Aluminium Rail (connector/ with terminal)

Technical specification:

—

Rail length	0.5m, 1.5m, 2m, 3m
Rail material	Aluminium
Type of conductor	Copper belt
Type of paint	Electrostatic powder paint
Accessories	Rigid pendant, pendant steel cable, different types of connection between two rails.



**Text of figure**

—

**1m Headrail:**

Consists of 92 cm of useful space for installing lights and 8 cm for terminal

**1m Connecting rail:**

Consists of 100 cm of useful space for installing lights.



### Installation description:

Installation to the ceiling using screws and rawl plug or installation using pendant connectors.

### The difference between "head" and "connecting" rail:

In the headrail, the useful length of the rail is 8 cm shorter than the connecting rail due to the terminal.

### Connectors and fittings

— Cross tee(X), tee(T), 180°(I), hinged(V), 90°(L)

### Pendant

Type	Material	Color	Application Load	Bearing
Steel cable with height adjustment capability	Stainless steel	Steel	Rail, Linear light, surface-mounted 60*60 panel	20 kg
Constant pendant with height adjustment capability	Aluminum	Black and White	Rail, Linear light, surface-mounted 60*60 panel	20 kg



180°(I)



tee(T)



90°(L)



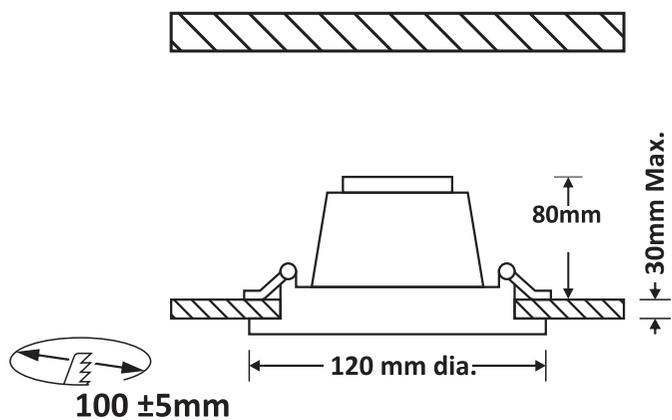
Cross tee(X)



— Steel cable with height adjustment capability

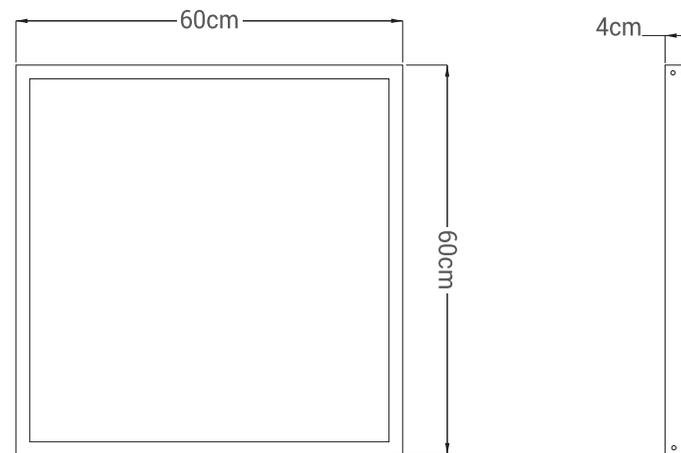


— Rigid pendant with height adjustment capability

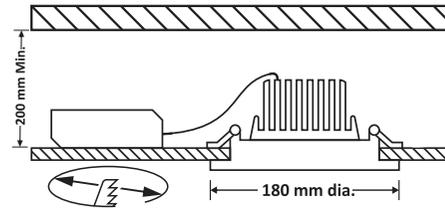


**Recessed anti-glare  
halogen-type lamps frame**

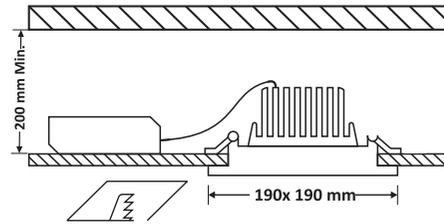
**Surface-mounted square  
frame for 60\*60 panel**



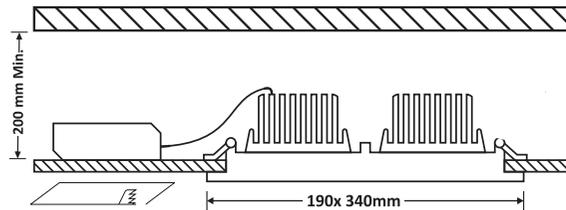
Type	Material	Color
Surface-mounted square frame for 60*60 panel	Aluminum	White (electrostatic powder paint)



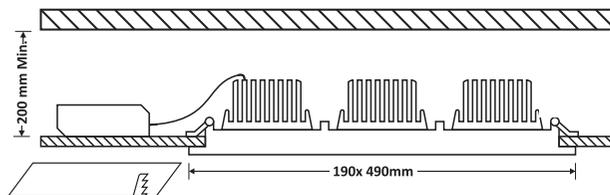
160 ±5mm



160 x 160 ±5mm



160 x 320±5mm



160 x 470±5mm

### Recessed round frame for AR111 lamp

Type	Material	Color
Recessed round frame for AR111 lamp	Aluminum	White

### Recessed square frame for AR111 lamp

Type	Material	Color
Recessed square frame for AR111 lamp	Aluminum	White, Black

### 1\*2 Recessed frame for AR111 lamp

Type	Material	Color
1*2 Recessed frame for AR111 lamp	Aluminum	White, Black

### 1\*3 Recessed frame for AR111 lamp

Type	Material	Color
1*3 recessed frame for AR111 lamp	Aluminum	White, Black

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*Bright like the sun*

