



DOUBLEPOWER!! RAY

OPTIMAL ILLUMINATION

OF HIGH RACK CORRIDORS

DOUBLEPOWER!! RAY

- Specially developed for warehousing spaces
- Simultaneous illumination of floors and sides of high racks
- Highly efficient and uniform illumination
- Exceptional life-span and sustainability of parameters
- 8 year full guarantee

doublepower!!
industrial lighting | intelligent | efficient



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Primary characteristics

- Possibility to combine optics and lighting characteristics in one luminaire for even illumination of high racks and corridor floors
- Efficacy 140,22 lm/W for Ta up to +50 °C
- High-performance heat management of the entire luminaire
- Variable mounting system
- IP54 enclosure rating
- Life-span L80B10 => 100,000 hours
- 8 year full guarantee

A unique way to illuminate high rack corridors

The true demands of industrial and warehouse operations are usually higher than the specifications of relevant regulations. For rack corridors in warehouses, the majority of European regulations sets illumination at floor level. Doublepower!! RAY luminaires perfectly fulfill these norms. Their asymmetrical lighting characteristics take the elongated shape of rack corridors into consideration and illuminate them with a high level of efficiency.

But, warehouse workers also need to be able to see the goods on the racks. That's why we've equipped our doublepower!! RAY luminaires with additional optical elements, giving them lighting characteristics that perfectly illuminate even the sides of high racks over their whole length and height.

Construction and heat management

Doublepower!! RAY luminaire is equipped with a unique aluminum body with high-performance cooling system and heat removal from the LED chips.

Although logistics halls aren't usually exposed to extreme temperatures, a well-cooled chip is still an advantage. Just like the rest of the electronics, the chip operates in comfortable conditions, which significantly slows down changes in the luminaire's lighting parameters and prolongs its life-span.



Thanks to the combination of two different optics we achieve optimal illumination of both rack corridors and the racks themselves with a low energy consumption.



Thanks to the separation of LED chips and the driver the system works in comfortable thermal conditions.



Sophisticated cooling system is designed to remove heat properly, which ensures a long life-span of the luminaire.



LED chips CREE XPL with excellent efficacy of 140,22 lm/W, luminaire efficacy of 119,89 lm/W.





Special thermal-conductive material and a proven method of application ensures speedy, efficient and even transfer of heat to the cooling system. What's more, the LED light sources and drivers come equipped with their own cooling systems in separate bodies. This allows them to work at a safe distance from their heat limits.

LXXBXX – think about the long-term costs

The L80B10 life-span parameter for doublepower!! RAY luminaires is equal to 100,000 hours.

The LXXBXX parameter is very useful for economical project assessment in assessing the total cost of ownership. Installing the cheaper luminaires with a worse LXXBXX parameter will paradoxically raise the price of your project, as they will need to be replaced and/or replenished sooner.

Installation has to be easy, quick, and affordable

The possibility of choosing how to space hanging points together with an IP68 connector guarantees quick and easy mounting. The luminaire is made to adapt to various mounting and hanging systems.

NEED ADDITIONAL INFORMATION? JUST CONTACT US. WE'LL BE HAPPY TO GIVE YOU MORE.
CALL +420 222 312 917 OR EMAIL US AT INFO@DOUBLEPOWER.CZ.



Extruded eloxed aluminium profile with a separated box for a driver contributes to reliable operation at ambient temperatures of -30°C to +50°C.

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Low glare factor thanks to the division of luminous flux between 12 LED chips.



Unique robust construction with a high protection rating IP54 protects against intrusion of dirt into the luminaire.





Specification

Output	39,60 W
Luminous flux of the LED chips	5 553 lm
Luminous flux of the luminaire	4 748 lm
Efficacy of the LED chip	140,22 lm/W
Efficacy of the luminaire	119,89 lm/W
LED light source	CREE XP-L, 4 000K, Ra 80
Life-span	L80B10 = 100 000 hours
Front cover	Prismatic lense High level of permeability, without degradation
Body	Extruded Eloxated Aluminium Profile Highly Efficient Thermal Management Low Operating Temperature of the Luminaire and of all Components
Protection rating	IP54
Operating Temperatures	-30°C ~ +50°C
Optical System	Prismatic lense 47°+ 14° Even illumination of both the corridors and the racks Low glare factor – number of low-wattage LED chips embedded in the luminaire's body
Other	DALI / DSI smooth control, possibility to include into a complex DALI/KNX control system
Manufacturer	doublepower!! s.r.o. Czech Republic

Dimensions / cm

	RAY 40W (DALI)
Lenght (without connector)	55,3
– with unplugged connector	55,3
– with plugged connector	55,3
Width	10
Height	13
– including hanging rings	17
– including hanging rings and snap-hook	21,5
Weight (kg) without plugged connector and hanging rings	2,6

Lighting Characteristics

