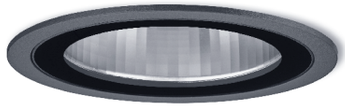
we-ef

WE-EF LIGHTING USA
DOC100 LED Series
Ceiling Luminaires
North American Edition

THE BEST LIGHT FOR ARCHITECTURE

Recessed luminaires are an interesting option when the focus is on the lighting effect and the luminaires themselves take a back seat. The DOC100 series of recessed ceiling luminaires from WE-EF is perfect for such cases; they are perfectly integrated into the architecture, and can be used for various applications such as illuminating prestigious buildings or providing functional lighting for station platforms, underpasses etc. With a protection rating of IP66 and 5CE corrosion protection, the recessed ceiling luminaires are ideal for exterior use. The state-of-the-art design and engineering ensures simple installation on site. Thanks to precise optics with various beam characteristics and high-quality LED modules, the DOC100 series guarantees superior light quality. In addition to the standard versions, there are models with tunable white and particularly effective glare-free versions that use darklight reflector technology.

Standard Version



Darklight Version

	Diameter	Depth	Wattage	Lumens	3000 K / 4000 K White*	2700 K – 6000 K Tunable White
DOC110 Standard	4.6 in	3.6 in	12 W	969-1366	●	
DOC120 Standard	6.2 in	3.6 in	24 W	2040-2610	●	
DOC140 Standard	8.4 in	3.6 in	48 W	1876-5464	●	
DOC120 Darklight	6.0 in	4.7 in	17–24 W	776–2347	●	●
DOC140 Darklight	8.4 in	5.8 in	24–37 W	1213–3302	●	●

IOS® Innovative Optical System
CAD-optimized symmetric lens system. WE-EF's high-precision lenses for symmetric light distribution have been designed to take utmost advantage of high performance LEDs by leading manufacturers.

Five anti-corrosion properties
- **Substrate – marine grade aluminum alloy**
- **Conversion coating – multi-step pre-treatment**
- **Powder coating – UV stabilized, architectural grade coating**
- **PCS hardware**
- **Process control – tightly controlled process and quality checks, up to 2,000-hour salt spray tests**

PCS hardware
- **Austenitic stainless steel**
- **Tough, impregnated polymer coating**
- **Non-metallic barrier, protects against galvanic corrosion**

* 2700 K / 3500 K on request

STANDARD

The standard versions of the DOC100 series provide the right light for a wide variety of tasks – from highlighting entrance areas and foyers, accentuating colonnades and arches, and wall washing, to creating excellent visual conditions on stairs, paths and paved areas. The round recessed ceiling luminaires are available in three sizes, and are offered in three different lumen packages and four beam distributions. In addition, the luminaires can be fitted with lenses for linear shaped or wallwash distributions.

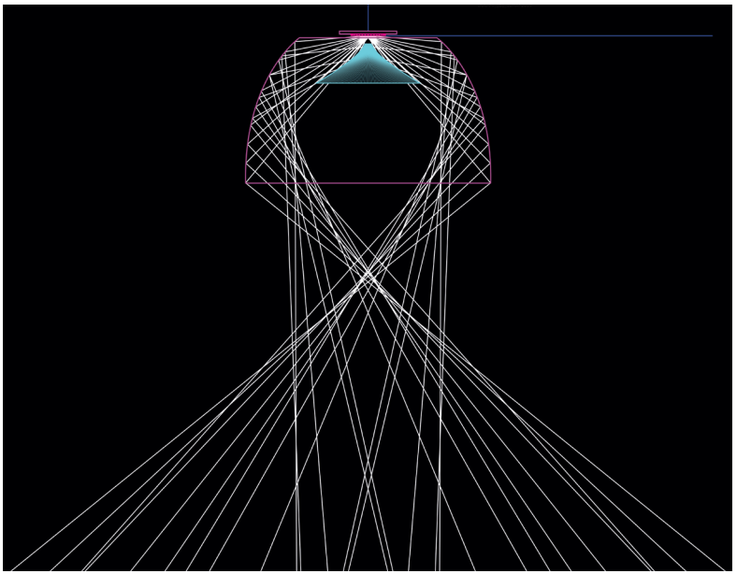
A characteristic feature of the DOC100 series is its slim, low profile, which allows an almost flush installation with the ceiling. The integrated electronic control gear is thermally separated from the LED light source. An installation blockout is used to fit the luminaires in concrete ceilings, in which case the luminaire's frame can either be positioned flush with the ceiling or slightly raised.

The DOC100 series features an outstanding combination of wallwashing and pathway lighting distributions, alongside excellent glare control qualities.

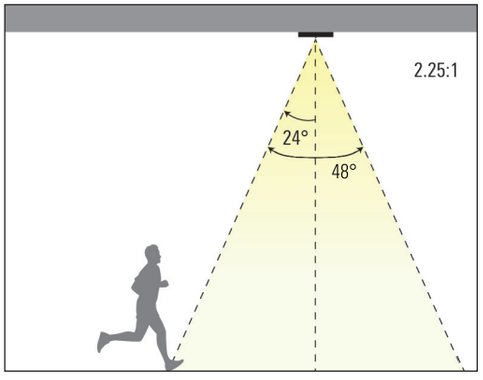
DARKLIGHT

The DOC100 darklight versions are recommended for all applications where demanding visual tasks place particularly high demands on lighting quality. A two-part reflector combination ensures that no light is emitted within the cut-off angle and prevents people looking directly into the light source. The result is consistent and effective limitation of both direct glare and reflected glare on smooth surfaces such as displays and monitors. Seen from below, part of the luminaire's reflector appears as a luminous ring with moderate luminance.

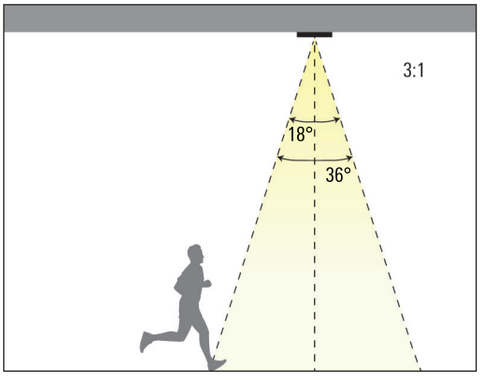
Viewer is prevented from directly looking into light source.



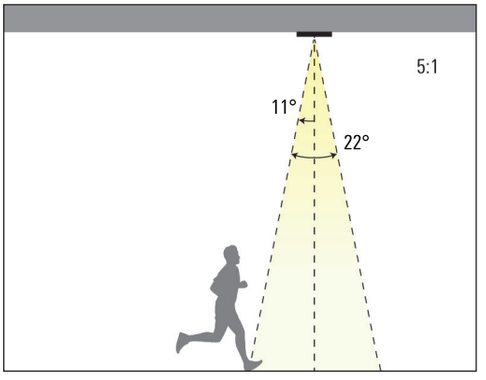
This CAD ray-tracing simulation demonstrates the luminaires unique reflector element.



Wide beam shielding angle



Medium beam shielding angle



Narrow beam shielding angle

TUNABLE WHITE

Equipped with tunable white technology, the DOC100 darklight versions offer further possibilities for differentiated lighting concepts; not only do they enable dimming of their luminous flux, they can also vary infinitely between warm white, neutral white and cold white light. For example, light progression can be programmed based on the dynamics of daylight. Indoors, tunable white luminaires can promote well-being and performance. Tunable white technology opens up completely new possibilities for lighting design in outdoor spaces and transit areas – in terms of both aesthetics and function.

Changing color temperatures can, for example, attract attention and facilitate orientation in circulation areas and on staircases. Tunable white lighting can also be varied with the changing seasons or to create different atmospheres in one place in the course of a night. The colors and textures of surfaces are perceived differently with different color temperatures, and tunable white luminaires can be used to showcase architecture in ever-changing ways.

2700 K – 3500 K

4000 K – 4500 K

5000 K – 5500 K

6000 K


BOWLING
PIZZA PASTA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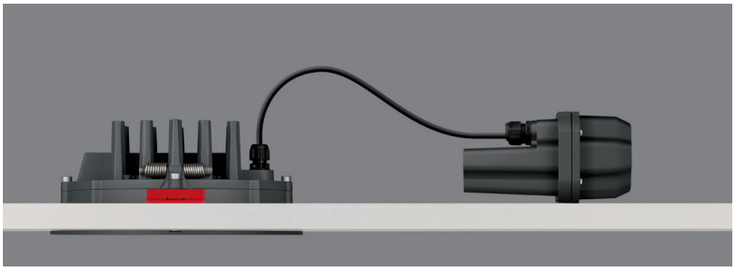
SHOPPING IN A NEW LIGHT
OPEN UNTIL 10PM WEEKNIGHTS

DOC100 SERIES FEATURES

Standard Version

- **Three sizes**
- **Slim, low profile**
- **Four standard beam distributions**
- **Additional lenses; IO-180° (linear spread) + IO-20° (wallwash)**

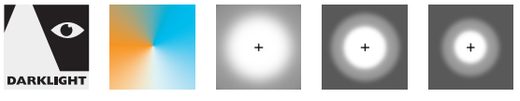
[W] [M] [VN] [VNS]



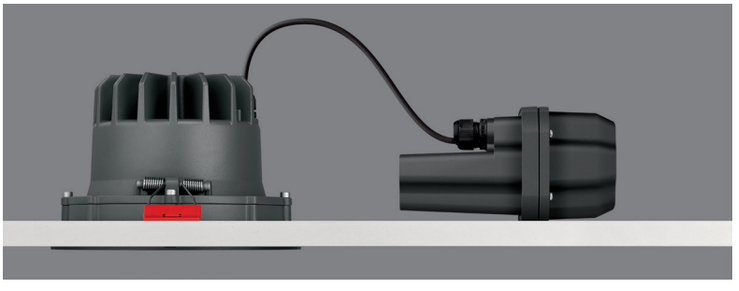
Standard version

Darklight Version

- **Two sizes**
- **Slim, low profile**
- **Three standard beam distributions**
- **Additional lenses; IO-180° (linear spread) + IO-20° (wallwash)**
- **Tunable White (optional)**

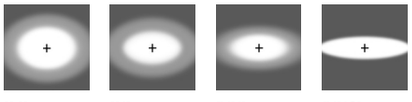


Darklight Tunable White [W] [M] [N]



Darklight version

Beam distribution with additional lens IO-180°



[M] + IO-180° [N] + IO-180° [VN] + IO-180° [VNS] + IO-180°

Beam distribution with additional lens IO-20°

[M] + IO-20°

WE-EF LIGHTING USA

North America

410-D Keystone Drive

Warrendale, PA 15086

United States of America

Telephone +1 724 742 0030

Fax +1 724 742 0035

info.usa@we-ef.com

www.we-ef.com