

kreon    downlights 60





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Light planning is there first and foremost for the needs and well-being of people. The kreon product designs are created to answer the basic requirements of lighting. Offering targeted lighting solutions to enhance architectural aspects, direct at specific points or create contrasts.

The layout of our living environment and the application of energy standards have a huge impact on contemporary lighting design.

Each of our products tries to meet your needs, influenced and inspired by our unique design language and developed for a sustainable future. The continuous developments in LED and optics technology play a major role in our effort to reduce energy consumption. However, matching the functional and aesthetic lifespan of the product itself is equally important and always a design motivation for kreon. By combining these two ambitions, kreon wants to minimise its ecological impact and focus on sustainability.

The kreon downlights 60 focus on light quality in all its aspects. High efficiency, precise light distribution and visual comfort are achieved with the high-quality reflectors in combination with long-lasting LED light sources that lighting designers appreciate for their superior light. This range is an essential lighting design tool that can create a minimalist, soft atmosphere as well as a high-contrast, dramatic composition.





# kreon downlights 60



## Light quality

Powerful downlight  
High efficiencies  
(up to 91lm/W)  
Great color rendering  
and color consistency



## Light distribution

Precise cut-off  
Homogenous  
light distribution



## Anti-glare

Glarefree optic  
UGR <19



## Light management

5 optics available  
(SSP, SP, FL, WFL, WW)  
Tunable white-option  
(2700K–5000K)



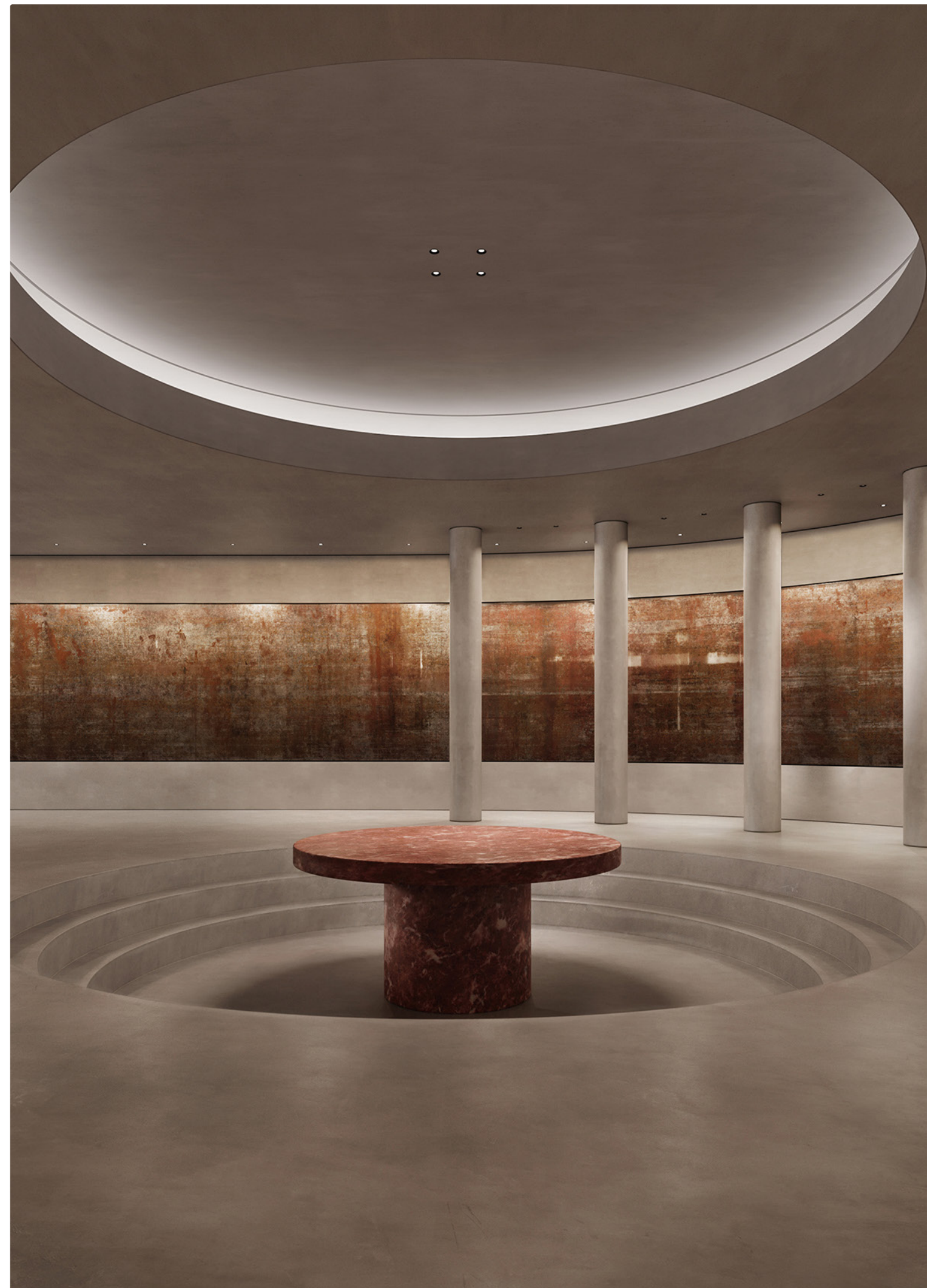
## Applications

Office  
Hospitality  
Residential  
Shops  
Galleries  
Museums



## Colors

Black & white  
other RAL colors  
on request



# kreon    downlights 60

Equipped with the very latest high performance faceted reflector technology in a fixed downlight, wallwash or adjustable luminaire (coming soon), kreon aplis (in-line) 60 and kreon down (in-line) 60 offer optimal efficiency and uniformity. The light emission in the primary beam of the downlight is precise and sharp without any diffusion and results in a glare-free high lumen output out of a discreet aperture.

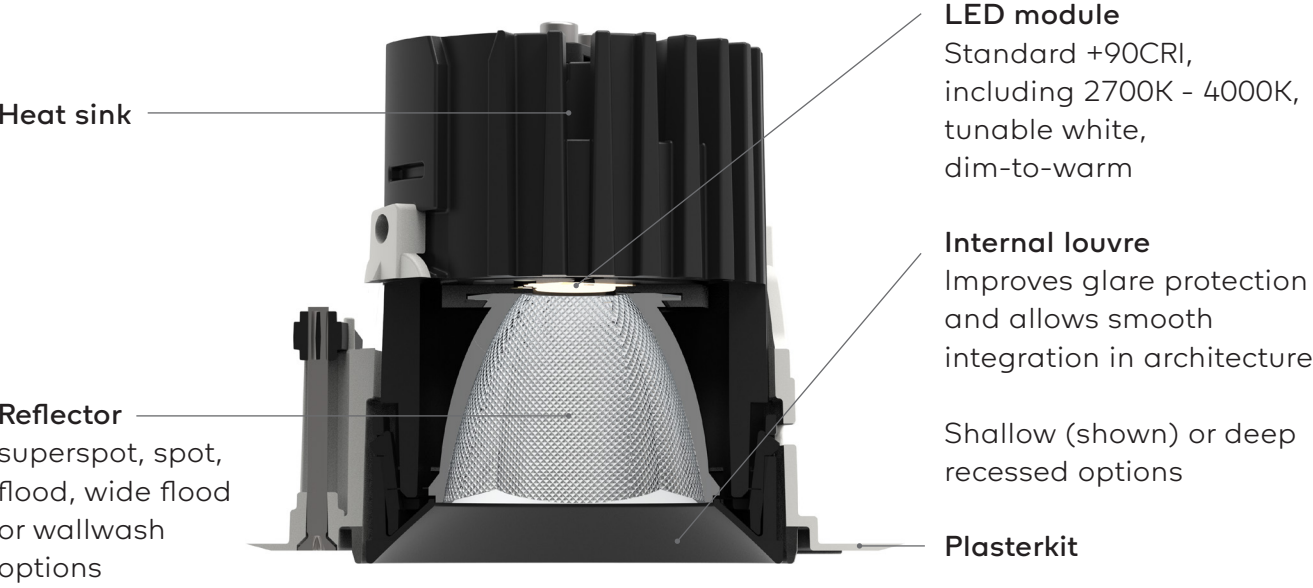
### Mechanical features

kreon aplis and down 60 are equipped with a one piece trimkit with louvre and easy to install leaf springs. kreon aplis in-line is a fully recessed downligh that is installed using a trimless plasterkit. The shallow louvre with an aperture of only 40mm ensures a maximum light output of up to 1270lm. Installation depth is limited due to the performant passive heatsink, which gives the downlights a high degree of flexibility in planning.

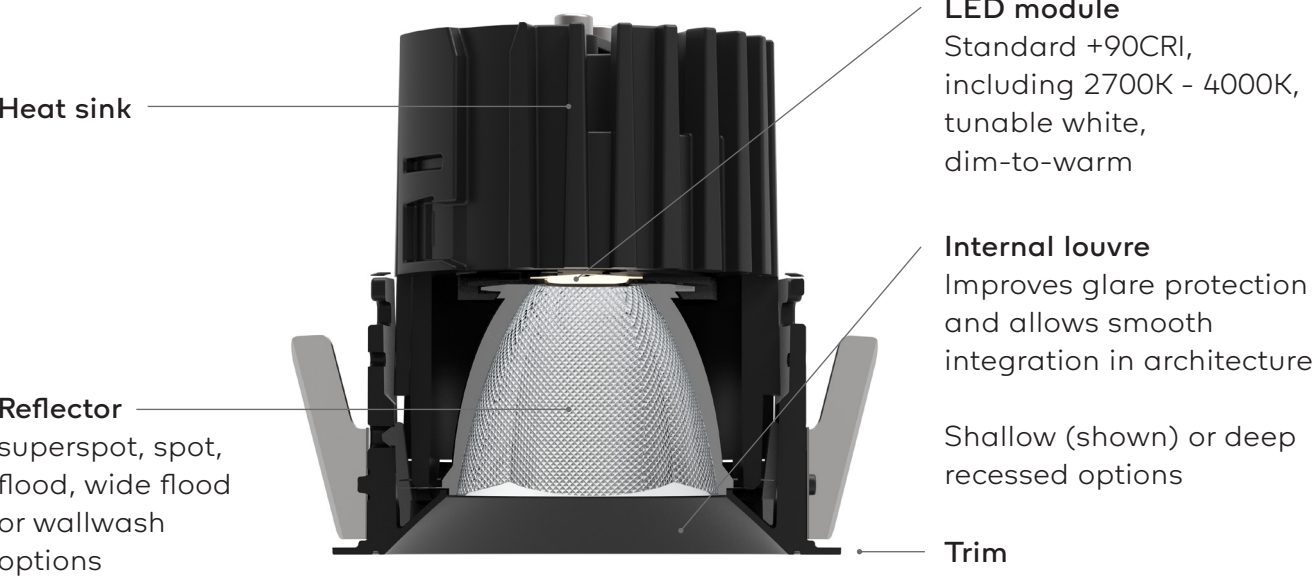
### Optical features

A highly specular optic with complex micro-faceted surfaces guarantees a high level of visual comfort with UGR values below 19. The expressively generated light cone is homogenous without scattering and contains all the lumens inside the beam. Available in 3 different beam angles, from a dense spot up to a very wide 69° beam makes the downlight a great lighting tool for unlimited applications. To create a uniform light intensity gradient in the vertical direction, a wallwash option has been added to the range.

## kreon aplis in-line 60



## kreon aplis 60

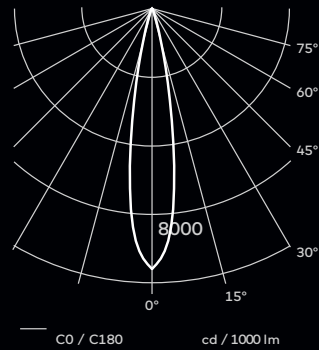






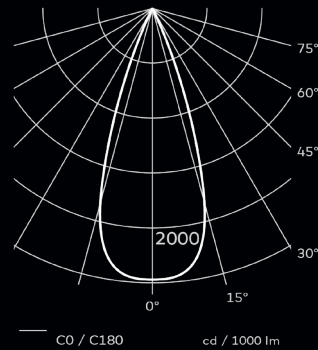


# kreon downlights 60



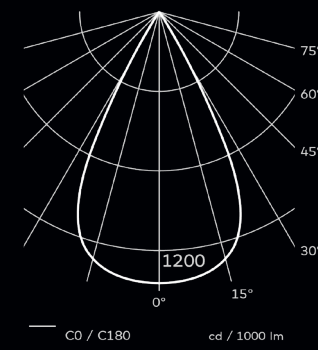
## superspot 18°

566lm – 9.9W  
narrow beam with high light intensity  
highlight objects and add drama with  
strong light contrasts  
UGR<19



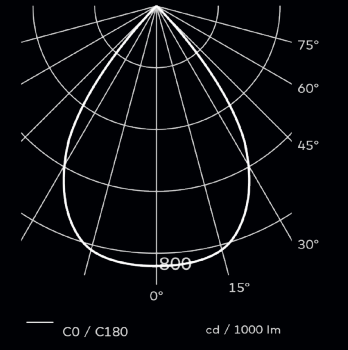
## spot 34°

717lm – 9.9W  
highlight objects and stress details  
set scenes or add drama with  
strong light contrasts  
UGR<19



## flood 54°

1037lm – 12W  
achieve lux levels suitable for office spaces  
wide light cone means economically  
less luminaires  
UGR<19

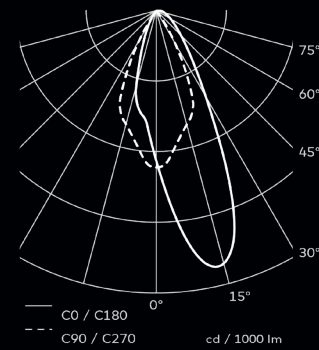


## wide flood 69°

1088lm – 12W  
very wide light distribution for  
homogenous lighting  
optimize general lighting grid with a  
minimum of downlights  
UGR 22







### wallwasher

807lm – 9.9W

uniform light distribution on vertical surfaces  
generates a contemplative atmosphere and gives  
space a broader impression  
create light effect comparable to diffused daylight





# kreon    aplis & aplis in-line 60

Project Bastin Elektrotechnik Office  
Location Lontzen, Belgium

Photographer Serge Brison

kreon aplis 60 and aplis in-line 60 are new ranges of round shaped recessed trim or trimless downlights with an aperture of 60mm. Equipped with the latest high performance faceted reflector in a fixed downlight or wallwash luminaire they offer optimal efficiency and uniformity.

High lumen output can be generated out of a discreet aperture. The light emission in the primary beam of the downlight is precise and sharp without any diffusion.

The combination of a flood optic with  $UGR < 19$  and a tunable white 2700K to 5000K makes kreon aplis 60 and kreon aplis in-line a perfect tool to bring general lighting in an office space, while the wide flood downlight makes it possible to illuminate spaces efficiently with a minimum of luminaires.

The powerful wallwasher ensures uniform light distribution with high lux values on vertical surfaces.

kreon aplis 60



kreon aplis in-line 60





# kreon down & down in-line 60

kreon down 60 and kreon down in-line 60 are new ranges of square shaped recessed trim or trimless downlights with an aperture of 60mm. Equipped with the newest high performance faceted reflector in a fixed downlight or wallwash luminaire they offer optimal efficiency and uniformity.

High lumen output can be generated out of a discreet aperture. The light emission in the primary beam of the downlight is precise and sharp without any diffusion.

The combination of a flood optic with  $UGR < 19$  and a tunable white 2700K to 5000K makes kreon down (in-line) 60 a perfect tool to bring general lighting in an office space, while the wide flood downlight makes it possible to illuminate spaces efficiently with a minimum of luminaires.

The powerful wallwasher ensures uniform light distribution with high lux values on vertical surfaces.

kreon down 60













# kreon    downlights 60

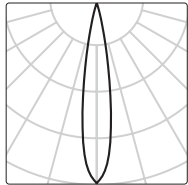


## Excellent light control for accentuation and wide beam

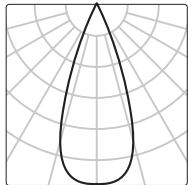
The core of the downlight series is the innovative internal optic. High lux levels are achieved in the precisely aligned light cone. The pronounced light cut-off of the optics results in a strong light image for both accent lighting and general lighting.

kreon aplis (in-line) 60 and down (in-line) 60 include a LED light source designed to balance extremely high color rendering and accurate color consistency with high lumen output and efficacy. Additionally, a tunable white version of the downlight is available. The clover design of the optic allows perfect color mixing for tunable white LED light sources. With a CCT variation between 2700K and 5000K tunable white fixtures contribute to the body's circadian rhythm.

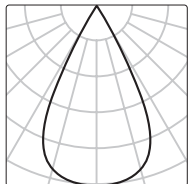
superspot



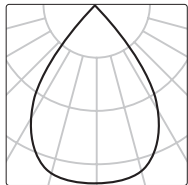
spot



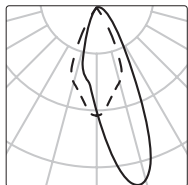
flood



wide flood



wallwasher



H [m (ft)]	D [m (ft)]	Max lux	Med lux	$\alpha = 9.2^\circ + 9.2^\circ$	luminaire flux = 566lm
1.00 (3'3")	0.33 (1'1")	4303	2776		
2.00 (6'7")	0.65 (2'2")	1076	694		
3.00 (9'10")	0.98 (3'3")	476	308		
4.00 (13'1")	1.30 (4'3")	269	173		
5.00 (16'5")	1.63 (5'4")	172	111		



H [m (ft)]	D [m (ft)]	Max lux	Med lux	$\alpha = 17.0^\circ + 17.0^\circ$	luminaire flux = 717lm
1.00 (3'3")	0.61 (2')	2291	1406		
2.00 (6'7")	1.22 (4')	573	351		
3.00 (9'10")	1.84 (6')	255	156		
4.00 (13'1")	2.45 (8'1")	143	88		
5.00 (16'5")	3.06 (10'1")	92	56		



H [m (ft)]	D [m (ft)]	Max lux	Med lux	$\alpha = 26.8^\circ + 26.8^\circ$	luminaire flux = 1037lm
1.00 (3'3")	1.01 (3'4")	1465	858		
2.00 (6'7")	2.02 (6'7")	366	214		
3.00 (9'10")	3.03 (10')	163	95		
4.00 (13'1")	4.03 (13'3")	92	54		
5.00 (16'5")	5.04 (16'6")	59	34		



H [m (ft)]	D [m (ft)]	Max lux	Med lux	$\alpha = 34.3^\circ + 34.3^\circ$	luminaire flux = 1088lm
1.00 (3'3")	1.37 (4'7")	993	489		
2.00 (6'7")	2.73 (7'9")	248	122		
3.00 (9'10")	4.10 (13'5")	110	54		
4.00 (13'1")	5.47 (18')	62	31		
5.00 (16'5")	6.83 (22'6")	40	20		



H [m (ft)]	D [m (ft)]	Max lux	Med lux	$\alpha = 13.6^\circ + 12.5^\circ$	luminaire flux = 807lm
1.00 (3'3")	0.48 (1'7")	1485	911		
2.00 (6'7")	0.95 (3'1½")	371	228		
3.00 (9'10")	1.43 (4'8")	165	101		
4.00 (13'1")	1.91 (6'3")	93	57		
5.00 (16'5")	2.38 (7'10")	59	36		





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