

Last information update: November 2024

Product configuration: BU95

BU95: Spotlight with bracket - Warm White COB LED - Integrated dimm electronic control gear DALI - Spot optic

**Product code**

BU95: Spotlight with bracket - Warm White COB LED - Integrated dimm electronic control gear DALI - Spot optic

Technical description

Spotlight designed to use Warm White COB LED lamps and a 10° spot optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a warm white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by $\pm 115^\circ$ in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on a MultiWoody or CityWoody pole system.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

4.57

Mounting

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

Wiring

Control gear complete with DALI dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals.

Notes

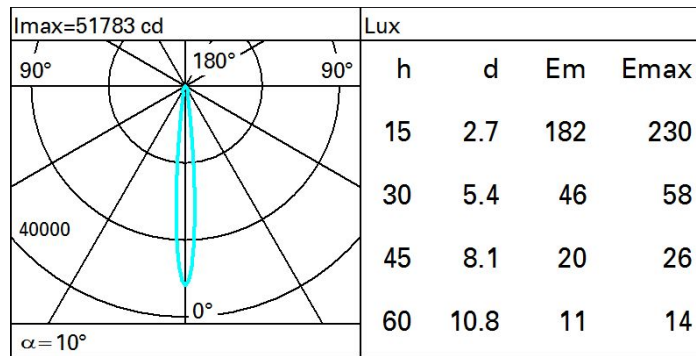
Dimming function with pushbutton (DIM PUSH): for this option consult the instructions included in the package.

Complies with EN60598-1 and pertinent regulations

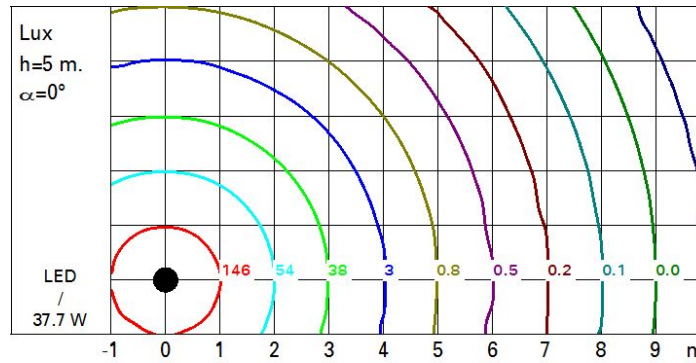
**Technical data**

lm system:	3846	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	37.7	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
lm source:	5500	Lamp code:	LED
W source:	34	Number of lamps for optical 1 assembly:	
Luminous efficiency (lm/W, real value):	102	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervall temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	70	Power factor:	See installation instructions
Beam angle [°]:	10°	Inrush current:	10 A / 200 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	5kV Common mode & 4kV Differential mode
MacAdam Step:	2	Control:	DALI-2

Polar



Isolux



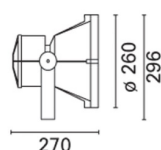
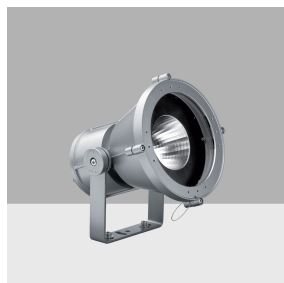
UGR diagram

Corrected UGR values (at 5500 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	14.4	16.1	14.7	16.4	16.8	14.4	16.1	14.7	16.4	16.8
	3H	14.3	15.4	14.6	15.7	16.0	14.3	15.4	14.6	15.7	16.0
	4H	14.2	15.2	14.6	15.5	15.8	14.2	15.2	14.6	15.5	15.8
	6H	14.1	15.0	14.5	15.3	15.7	14.1	15.0	14.5	15.3	15.7
	8H	14.1	15.0	14.5	15.4	15.7	14.0	15.0	14.4	15.3	15.7
	12H	14.0	15.0	14.4	15.4	15.8	14.0	15.0	14.4	15.4	15.7
4H	2H	14.2	15.2	14.6	15.5	15.8	14.2	15.2	14.6	15.5	15.8
	3H	14.0	15.0	14.4	15.4	15.8	14.0	15.0	14.4	15.4	15.8
	4H	13.8	15.0	14.3	15.4	15.9	13.8	15.0	14.3	15.4	15.9
	6H	13.6	15.1	14.1	15.5	16.0	13.6	15.1	14.1	15.5	16.0
	8H	13.5	15.1	14.0	15.6	16.1	13.5	15.1	14.0	15.6	16.0
	12H	13.4	15.1	13.9	15.6	16.1	13.4	15.1	13.9	15.6	16.1
8H	4H	13.5	15.1	14.0	15.6	16.0	13.5	15.1	14.0	15.6	16.1
	6H	13.4	14.9	13.9	15.4	15.9	13.4	14.9	14.0	15.4	15.9
	8H	13.5	14.6	14.0	15.1	15.6	13.5	14.6	14.0	15.1	15.6
	12H	13.6	14.3	14.2	14.8	15.3	13.6	14.3	14.1	14.8	15.3
12H	4H	13.4	15.1	13.9	15.6	16.1	13.4	15.1	13.9	15.6	16.1
	6H	13.5	14.6	14.0	15.1	15.6	13.5	14.6	14.0	15.1	15.6
	8H	13.6	14.3	14.1	14.8	15.3	13.6	14.3	14.2	14.8	15.3
Variations with the observer position at spacing:											
S =		1.0H	6.2	/ -9.4				6.2	/ -9.4		
		1.5H	9.0	/ -10.7				9.0	/ -10.7		
		2.0H	11.0	/ -11.1				11.0	/ -11.1		

Last information update: November 2024

Product configuration: BU96

BU96: Spotlight with bracket - Neutral White COB LED - Integrated dimm electronic control gear DALI - Flood optic

**Product code**

BU96: Spotlight with bracket - Neutral White COB LED - Integrated dimm electronic control gear DALI - Flood optic

Technical description

Spotlight designed to use Neutral White COB LED lamps and a 30° flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by $\pm 115^\circ$ in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on a MultiWoody or CityWoody pole system.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

4.57

Mounting

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

Wiring

Control gear complete with DALI dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals.

Notes

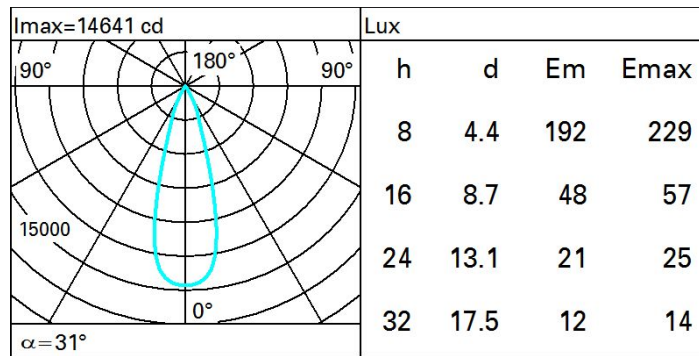
Dimming function with pushbutton (DIM PUSH): for this option consult the instructions included in the package.

Complies with EN60598-1 and pertinent regulations

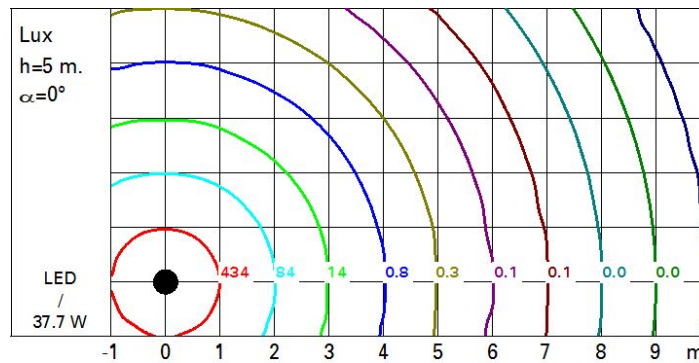
**Technical data**

lm system:	4401	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	37.7	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
lm source:	5650	Lamp code:	LED
W source:	34	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	116.7	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervall temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	78	Power factor:	See installation instructions
Beam angle [°]:	30°	Inrush current:	10 A / 200 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Colour temperature [K]:	4000	Overvoltage protection:	5kV Common mode & 4kV Differential mode
MacAdam Step:	2	Control:	DALI-2

Polar



Isolux

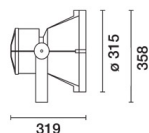


UGR diagram

Corrected UGR values (at 5050 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	5.7	7.8	6.0	8.1	8.5	5.7	7.8	6.0	8.1	8.5
	3H	5.6	7.3	6.0	7.6	8.0	5.6	7.2	5.9	7.6	7.9
	4H	5.5	7.0	5.9	7.3	7.7	5.5	6.9	5.9	7.3	7.6
	6H	5.5	6.6	5.9	7.0	7.3	5.5	6.6	5.9	6.9	7.3
	8H	5.5	6.6	5.9	6.9	7.3	5.4	6.5	5.8	6.9	7.2
	12H	5.4	6.5	5.9	6.9	7.2	5.4	6.4	5.8	6.8	7.2
4H	2H	5.5	6.9	5.9	7.3	7.6	5.5	7.0	5.9	7.3	7.7
	3H	5.5	6.5	5.9	6.9	7.3	5.5	6.5	5.9	6.9	7.3
	4H	5.4	6.4	5.8	6.8	7.2	5.4	6.4	5.8	6.8	7.2
	6H	5.1	6.7	5.6	7.2	7.7	5.1	6.7	5.5	7.2	7.6
	8H	5.0	6.8	5.5	7.3	7.8	4.9	6.8	5.4	7.3	7.8
	12H	4.9	6.8	5.4	7.3	7.8	4.8	6.8	5.3	7.3	7.8
8H	4H	4.9	6.8	5.4	7.3	7.8	5.0	6.8	5.5	7.3	7.8
	6H	4.9	6.7	5.4	7.2	7.7	4.9	6.7	5.4	7.2	7.7
	8H	4.8	6.5	5.4	7.0	7.5	4.8	6.5	5.4	7.0	7.5
	12H	5.0	6.1	5.5	6.6	7.1	5.0	6.1	5.5	6.6	7.1
12H	4H	4.8	6.8	5.3	7.3	7.8	4.9	6.8	5.4	7.3	7.8
	6H	4.8	6.5	5.3	7.0	7.5	4.8	6.5	5.4	7.0	7.5
	8H	5.0	6.1	5.5	6.6	7.1	5.0	6.1	5.5	6.6	7.1
Variations with the observer position at spacing:											
S =		1.0H	6.1 / -6.1				6.1 / -6.1				
		1.5H	8.9 / -7.2				8.9 / -7.2				
		2.0H	10.8 / -8.1				10.8 / -8.1				

Product configuration: BB28

BB28: Small Floodlight with monochromatic LED Neutral White - Spot optic



BB28: Small Floodlight with monochromatic LED Neutral White - Spot optic

Adjustable floodlight for exterior lighting designed for use of monochromatic LED sources, Spot (S) optic. Die-cast aluminium body with liquid acrylic paint finish provided with closing frame. The frame is provided with glass with customised grey serigraphy and silicone in the front to ensure water tightness against water penetration. Suitable slots on the frame allow for downflow of rainwater. Complete with 36 Neutral White (4000K) monochromatic LEDs, Spot (S) optics with plastic lense, and built-in electronic ballast. The luminaire is provided with double nickel-plated brass cable clamp (M24x1,5) (suitable for Ø 7÷16mm cables) for through wiring. Maxi Woody can be oriented on the vertical plane by means of a bracket with 10°-step graduated scale, with mechanical locks that ensure stable pointing of the light flow. The luminaire is oriented on the horizontal plane by means of a hot galvanised painted plate for ground installation; in addition to ground installation, wall-mounting with fischer screws is possible. The IGuzzini assembly and maintenance protocol simplifies the installation. The decompression valve provides easy access to the optical assembly by eliminating the internal negative pressure. Painting is carried out with acrylic (maximum protection against UV) liquid (maximum protection against weather agents) paint.

Installation
The fitting can be installed in ground or wall by means of a support bracket fitted with fischer screws.

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

7.3

mounting
wall arm|wall surface|ground anchored|u-bracket

Luminaire provided with built-in electronic control gear.

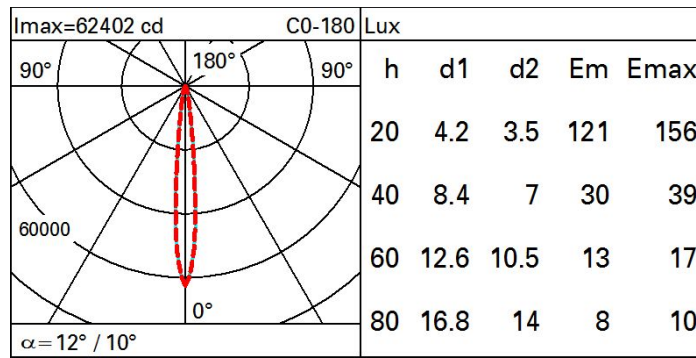
Available accessories: visor, barndoors, protection grid and ground anchoring plate.

Complies with EN60598-1 and pertinent regulations

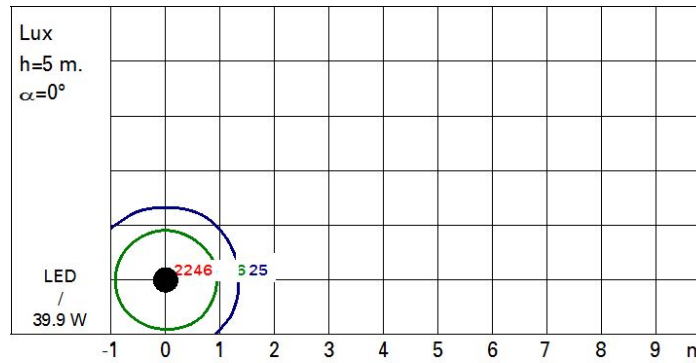


Im system:	4253	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W system:	39.9	Lamp code:	LED
Im source:	5250	Number of lamps for optical assembly:	1
W source:	34.9	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	106.6	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	81	Inrush current:	62 A / 202 µs
Beam angle [°]:	12° / 10°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
CRI (minimum):	80	Minimum dimming %:	10
Colour temperature [K]:	4000	Overvoltage protection:	10kV Common mode & 6kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)		

Polar



Isolux



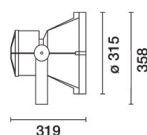
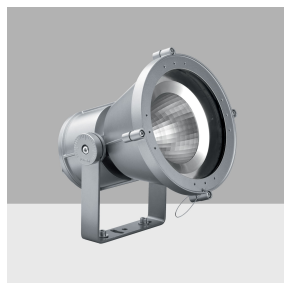
UGR diagram

Corrected UGR values (at 5250 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	7.4	9.3	7.7	9.6	10.0	7.4	9.4	7.8	9.7	10.0
	3H	7.3	8.6	7.7	8.9	9.2	7.5	8.8	7.9	9.1	9.5
	4H	7.3	8.3	7.7	8.6	8.9	7.5	8.5	7.9	8.8	9.1
	6H	7.3	8.0	7.6	8.3	8.6	7.5	8.2	7.9	8.5	8.9
	8H	7.2	8.0	7.6	8.3	8.7	7.4	8.2	7.8	8.6	8.9
	12H	7.1	8.0	7.5	8.4	8.8	7.3	8.2	7.7	8.6	9.0
4H	2H	7.5	8.5	7.8	8.8	9.1	7.3	8.3	7.7	8.6	9.0
	3H	7.4	8.3	7.8	8.6	9.0	7.4	8.3	7.8	8.7	9.0
	4H	7.2	8.4	7.6	8.7	9.2	7.2	8.4	7.6	8.8	9.2
	6H	6.9	8.6	7.3	9.0	9.5	6.9	8.6	7.4	9.1	9.5
	8H	6.7	8.6	7.2	9.1	9.6	6.8	8.6	7.3	9.1	9.6
	12H	6.7	8.5	7.2	9.0	9.5	6.7	8.6	7.2	9.0	9.5
8H	4H	6.7	8.6	7.2	9.1	9.6	6.8	8.6	7.3	9.1	9.6
	6H	6.7	8.3	7.2	8.8	9.3	6.7	8.3	7.2	8.8	9.3
	8H	6.7	8.0	7.2	8.5	9.0	6.8	8.0	7.3	8.5	9.0
	12H	6.9	7.6	7.4	8.1	8.6	6.9	7.6	7.4	8.1	8.7
12H	4H	6.7	8.5	7.2	9.0	9.5	6.7	8.6	7.2	9.0	9.5
	6H	6.7	8.0	7.2	8.5	9.0	6.8	8.0	7.3	8.5	9.0
	8H	6.9	7.6	7.4	8.1	8.6	6.9	7.6	7.4	8.1	8.7
Variations with the observer position at spacing:											
S =		1.0H	1.7	/ -1.6			1.5	/ -1.5			
		1.5H	3.3	/ -7.3			3.1	/ -7.3			
		2.0H	5.1	/ -10.6			4.9	/ -10.4			

Last information update: February 2025

Product configuration: E985

E985: Spotlight with bracket - Neutral White COB LED - Integrated electronic control gear - Wide Flood Optic (WF)

**Product code**

E985: Spotlight with bracket - Neutral White COB LED - Integrated electronic control gear - Wide Flood Optic (WF)

Technical description

Spotlight designed to use Neutral White COB LED lamps and a 46° wide flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optical assembly, a component box, a glass-holding frame and bracket. The optical assembly component box and glass-holding frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and comes complete with a seal. The black 60 Shore A silicone seal has been subject to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit and seal is fixed to the frame with silicone. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. Galvanized steel ballast holding plate; extraordinary maintenance is simplified thanks to quick-coupling connectors between the control gear and the LEDs and between the control gear and the wiring terminal block. The box and rear cover are made of painted aluminium alloy and come complete with spacers and captive screws. The spotlight can be adjusted by $\pm 115^\circ$ in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the light beam. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simple thanks to a nickel-plated brass decompression valve which eliminates the product's internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be floor, ceiling or wall-mounted using a support bracket that can be secured with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. MultiWoody, Citywoody and FrameWoody luminaires with a square structure can also be installed on poles.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

7.6

Mounting

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

Wiring

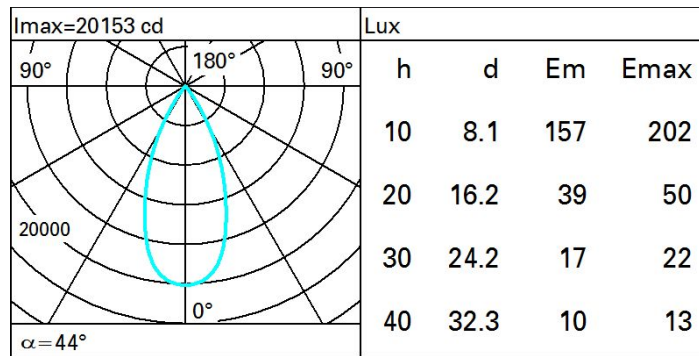
Control gear complete with electronic ballast (220÷240Vac 50/60Hz) and a wiring terminal block.

Complies with EN60598-1 and pertinent regulations

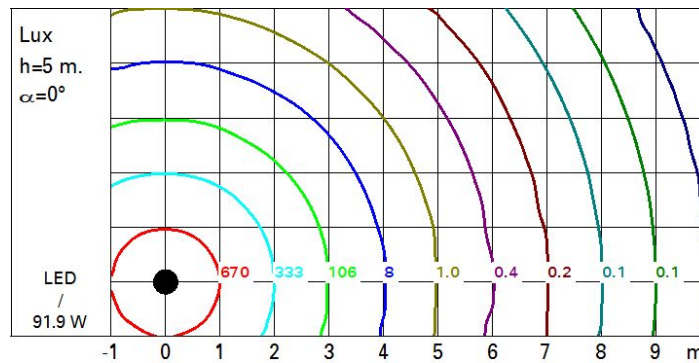
**Technical data**

lm system:	11159	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	91.9	Life Time LED 2:	86,000h - L80 - B10 (Ta 40°C)
lm source:	13300	Lamp code:	LED
W source:	82	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	121.4	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	84	Power factor:	See installation instructions
Beam angle [°]:	44°	Inrush current:	65 A / - µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 3 luminaires B16A: 5 luminaires C10A: 5 luminaires C16A: 8 luminaires
Colour temperature [K]:	4000	Overvoltage protection:	10kV Common mode & 6kV Differential mode
MacAdam Step:	2	Control:	On/off

Polar



Isolux



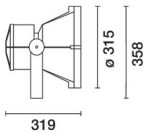
UGR diagram

Corrected UGR values (at 13300 lm bare lamp luminous flux)										
Reflect.:		viewed crosswise					viewed endwise			
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim										
x	y									
2H	2H	14.3	14.9	14.6	15.1	15.4	14.3	14.9	14.6	15.1
	3H	14.2	14.7	14.5	15.0	15.2	14.2	14.7	14.5	15.0
	4H	14.1	14.6	14.5	14.9	15.2	14.1	14.6	14.5	14.9
	6H	14.1	14.5	14.4	14.8	15.1	14.1	14.5	14.4	14.8
	8H	14.0	14.4	14.4	14.8	15.1	14.0	14.4	14.4	14.8
	12H	14.0	14.4	14.4	14.7	15.1	14.0	14.4	14.4	14.7
4H	2H	14.1	14.6	14.5	14.9	15.2	14.1	14.6	14.5	14.9
	3H	14.0	14.4	14.4	14.7	15.1	14.0	14.4	14.4	14.7
	4H	13.9	14.2	14.3	14.6	15.0	13.9	14.2	14.3	14.6
	6H	13.8	14.1	14.2	14.5	14.9	13.8	14.1	14.2	14.5
	8H	13.8	14.0	14.2	14.5	14.9	13.8	14.0	14.2	14.5
	12H	13.7	14.0	14.2	14.4	14.9	13.7	14.0	14.2	14.4
8H	4H	13.8	14.0	14.2	14.5	14.9	13.8	14.0	14.2	14.5
	6H	13.7	13.9	14.1	14.3	14.8	13.7	13.9	14.1	14.4
	8H	13.6	13.8	14.1	14.3	14.8	13.6	13.8	14.1	14.3
	12H	13.6	13.7	14.1	14.2	14.7	13.6	13.7	14.1	14.2
12H	4H	13.7	14.0	14.2	14.4	14.9	13.7	14.0	14.2	14.4
	6H	13.6	13.8	14.1	14.3	14.8	13.6	13.8	14.1	14.3
	8H	13.6	13.7	14.1	14.2	14.7	13.6	13.7	14.1	14.2
Variations with the observer position at spacing:										
S =		1.0H	6.5	/ -17.3			6.5	/ -17.3		
		1.5H	9.3	/ -19.2			9.3	/ -19.2		
		2.0H	11.3	/ -20.3			11.3	/ -20.3		

Last information update: November 2024

Product configuration: BV01

BV01: Spotlight with bracket - Warm White COB LED - Integrated dimm electronic control gear DALI - Spot optic



Product code

BV01: Spotlight with bracket - Warm White COB LED - Integrated dimm electronic control gear DALI - Spot optic

Technical description

Spotlight designed to use Warm White COB LED lamps and a 12° spot optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a warm white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by $\pm 115^\circ$ in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on MultiWoody, Citywoody and FrameWoody square structure pole systems.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

7.6

Mounting

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

Wiring

Control gear complete with dimmable DALI electronic ballast (220÷240V ac 50/60Hz) and wiring terminal block.

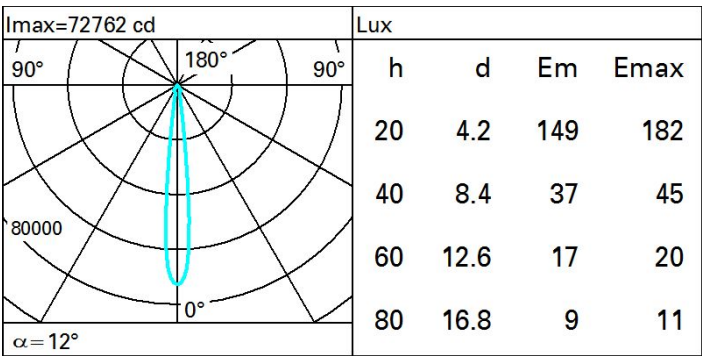
Complies with EN60598-1 and pertinent regulations



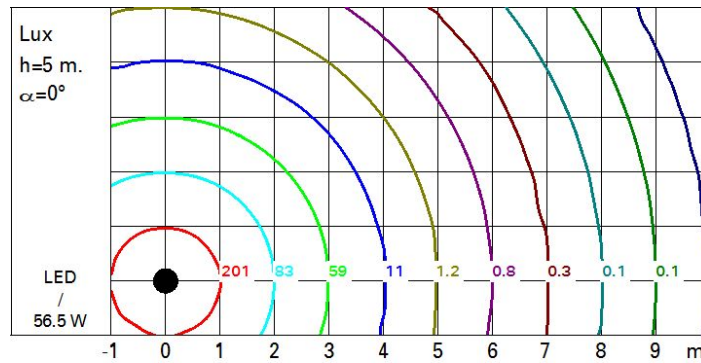
Technical data

lm system:	6242	Colour temperature [K]:	3000
W system:	56.5	MacAdam Step:	2
lm source:	8550	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	51	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Luminous efficiency (lm/W, 110.5 real value):		Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	73	Number of optical assemblies:	1
Beam angle [°]:	12°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	Control:	DALI-2

Polar



Isolux



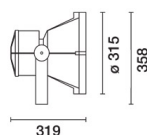
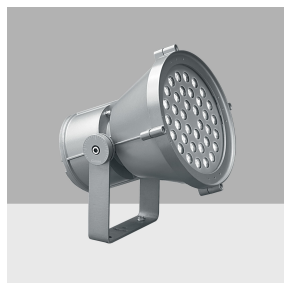
UGR diagram

Corrected UGR values (at 8550 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	15.1	16.8	15.5	17.1	17.4	15.1	16.8	15.5	17.1	17.4	
	3H	15.0	16.1	15.4	16.4	16.7	15.0	16.1	15.4	16.4	16.7	
	4H	15.0	15.9	15.3	16.2	16.5	15.0	15.8	15.3	16.2	16.5	
	6H	14.9	15.7	15.2	16.1	16.4	14.9	15.7	15.2	16.0	16.4	
	8H	14.8	15.7	15.2	16.1	16.4	14.8	15.7	15.2	16.1	16.4	
	12H	14.7	15.8	15.1	16.1	16.5	14.7	15.7	15.1	16.1	16.5	
4H	2H	15.0	15.8	15.3	16.2	16.5	15.0	15.9	15.3	16.2	16.5	
	3H	14.7	15.7	15.1	16.1	16.5	14.7	15.7	15.1	16.1	16.5	
	4H	14.5	15.8	15.0	16.2	16.6	14.5	15.8	15.0	16.2	16.6	
	6H	14.4	15.8	14.8	16.2	16.7	14.3	15.8	14.8	16.2	16.7	
	8H	14.3	15.8	14.7	16.2	16.7	14.2	15.8	14.7	16.2	16.7	
	12H	14.1	15.8	14.6	16.3	16.8	14.1	15.8	14.6	16.2	16.7	
8H	4H	14.2	15.8	14.7	16.2	16.7	14.3	15.8	14.7	16.2	16.7	
	6H	14.2	15.6	14.7	16.0	16.5	14.2	15.6	14.7	16.0	16.6	
	8H	14.2	15.3	14.7	15.8	16.3	14.2	15.3	14.7	15.8	16.3	
	12H	14.3	15.0	14.9	15.5	16.0	14.3	15.0	14.8	15.5	16.0	
12H	4H	14.1	15.8	14.6	16.2	16.7	14.1	15.8	14.6	16.3	16.8	
	6H	14.2	15.3	14.7	15.8	16.3	14.2	15.3	14.7	15.8	16.3	
	8H	14.3	15.0	14.8	15.5	16.0	14.3	15.0	14.9	15.5	16.0	
Variations with the observer position at spacing:												
S =		1.0H	5.5 / -11.3				5.5 / -11.3					
		1.5H	8.3 / -12.2				8.3 / -12.2					
		2.0H	10.3 / -12.6				10.3 / -12.6					

Last information update: December 2024

Product configuration: BV53

BV53: Floodlight with bracket LED - Electronic 220-240V ac - DMX512-RDM - Flood optic

**Product code**

BV53: Floodlight with bracket LED - Electronic 220-240V ac - DMX512-RDM - Flood optic

Technical description

Direct light luminaire, designed to use RGB LED lamps (Red, Green, Blue), a Flood optic and DMX512-RDM control with searching and addressing function. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optical assembly, frame, component box, rear cover and bracket. Optical assembly, component box, rear cover, bracket studs and frame are made of painted, die-cast aluminium. The painting process includes a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The frame is fastened to the optical assembly by captive screws and a stainless steel retaining cable. Slots in the frame allow rainwater drainage. The tempered sodium-calcium sealing glass is transparent, with customised serigraphy, 4mm thick, and fitted with a 50-60 shore silicone seal. The glass+seal unit is fixed to the frame with silicone. Complete with multi-LED plate with individual LEDs in Red, Green and Blue (RGB), a built-in electronic ballast and a DMX512-RDM control card. Fitted with optics with a plastic (methacrylate) lens creating a Flood beam. The ballast and electronic card holding plate is made of aluminium and complete with spacers and captive screws; extraordinary maintenance is simplified thanks to quick-coupling connectors located between the control gear and LED circuit; the optical assembly can also be easily accessed thanks to a nickel-plated brass decompression valve. The floodlight can be adjusted by $\pm 115^\circ$ in the vertical plane by means of a 5mm thick, studded and painted steel bracket with a 10° step graduated scale, fitted with mechanical blocks that guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket; and pass-through wiring can also be used thanks to the double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7-16mm diameter). Each cable can carry both the DMX signal and the mains power supply. All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be installed at ground level or on walls using the supporting bracket fixed with screw anchors (Fisher type or similar). It can also be installed in the MultiWoody pole system and FrameWoody square structure using the appropriate accessories for poles.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

7.6

Mounting

wall arm|pole arm|ground surface|wall surface|ceiling surface|u-bracket

Wiring

Control gear complete with electronic ballast 220÷240V ac, 50/60Hz with a DMX512-RDM control. For the connection between the DMX signal cable and the power supply cable a Y connector - IP68 code no.BZN7 - is available.

Notes

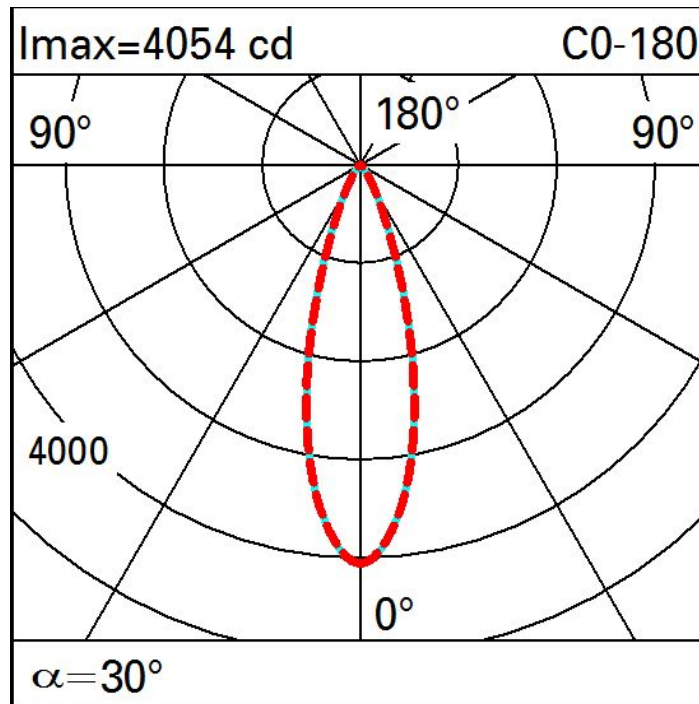
Product complete with LED lamp. The DMX specifications require a 120 ohm terminating resistor to be inserted (code no. BZQ7) between the DATA+ and DATA- cables of the last product in the line. If there is no DMX signal, the product performs a dynamic default sequence. Dali versions and DMX512 versions with self-addressing are available on request.

Complies with EN60598-1 and pertinent regulations

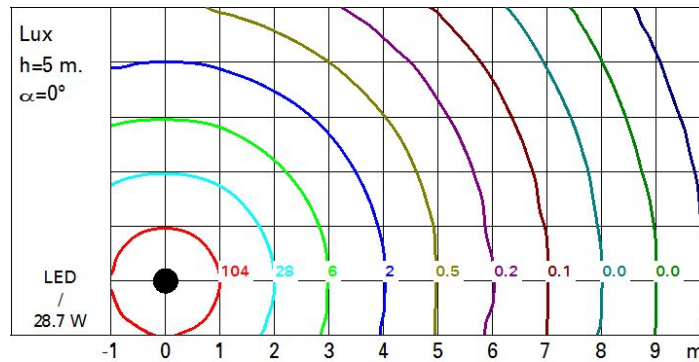
**Technical data**

lm system:	1299	Life Time LED 2:	91,000h - L80 - B10 (Ta 40°C)
W system:	28.7	Lamp code:	LED
lm source:	2130	Number of lamps for optical assembly:	1
W source:	23	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	45.3	Number of optical assemblies:	1
lm in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	61	Inrush current:	40 A / - µs
Beam angle [°]:	30°	Control:	DMX-RDM
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)		

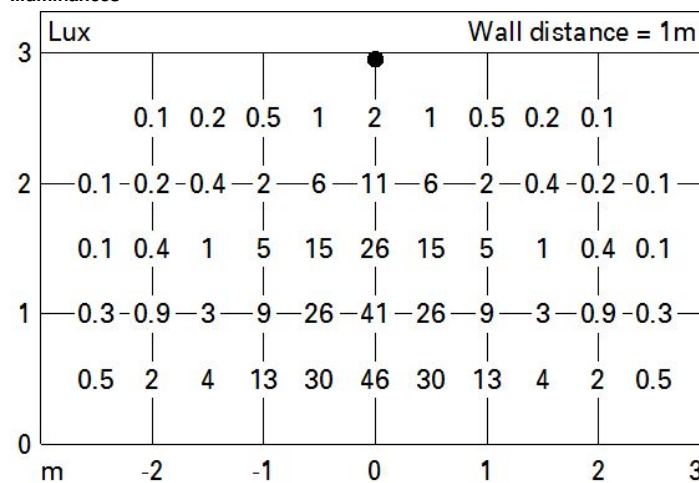
Polar



Isolux



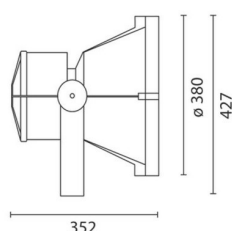
Illuminances



Last information update: November 2024

Product configuration: EH36

EH36: Medium body spotlight with bracket - Warm White - DALI - ST1

**Product code**

EH36: Medium body spotlight with bracket - Warm White - DALI - ST1

Technical description

Outdoor luminaire with direct light street optic for increased visual comfort (G6), designed to use LED lamps. Painted die-cast aluminium body fitted with a 4 mm thick tempered sodium-calcium closing glass, secured to the frame. The optical assembly and the pole attachment system are made of EN1706AC 46100LF aluminium alloy, subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The painting stage consists of a primer and a liquid acrylic paint, cured at 150 °C, with a high level of weather resistance. The optical assembly is also fitted with a silicone sealed closing glass at the front to guarantee it is watertight and liquids cannot penetrate it. The frame has special slots for rainwater drainage. The luminaire is fitted with a double cable gland (M24x1,5) for pass-through wiring. MaxiWoody can be tilted on the vertical plane thanks to a bracket with a 10° step graduated scale, fitted with mechanical blocks that guarantee stable light beam aiming. Horizontal aiming is performed using a plate secured to the ground with slots and screw holes. Thanks to a decompression valve, access to the optical assembly is easy as it eliminates the internal vacuum. All the components are positioned on a single plate using captive screws so extraordinary maintenance is extremely rapid. The patented Optismart optic system comes complete with a power monochrome Neutral White LED circuit and silver aluminium reflectors. DALI electronic control gear. Midnight mode (100%-70%) or Bi-energy operation without external programming. Personalised Midnight programmable, fixed dimming, compatibility with flux regulators, via a special programming interface. Replaceable control gear. There is no light dispersion into the upper hemisphere above this luminaire in the horizontal position (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

Installation

The luminaire can be floor, ceiling or wall-mounted using a support bracket that can be secured with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be MultiWoody and Citywoody pole-mounted.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

10.85

Mounting

wall arm|ground surface|wall surface

Wiring

Control gear complete with DALI dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode.

Notes

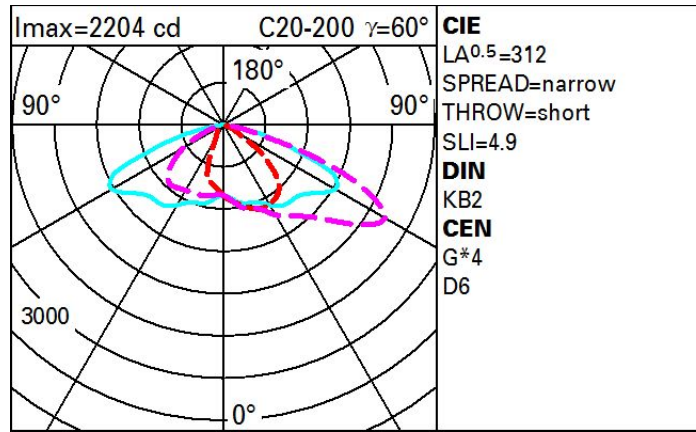
Dimming button option (PUSH DIM): for this option consult the instructions included in the package.

Complies with EN60598-1 and pertinent regulations

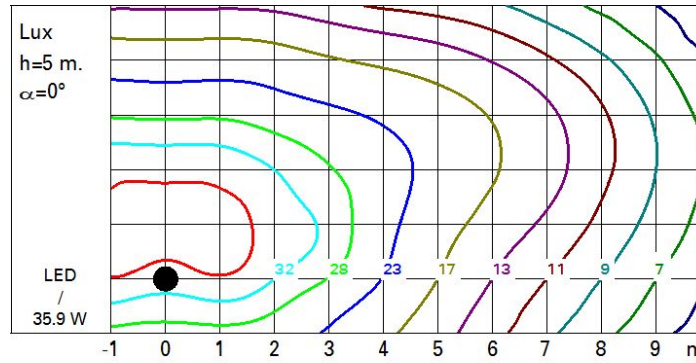
**Technical data**

Im system:	3430	Life Time LED 3:	100,000h - L80 - B10 (Ta 40°C)
W system:	35.9	Lamp code:	LED
Im source:	-	Number of lamps for optical assembly:	1
W source:	-	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	95.5	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	100	Inrush current:	31 A / 186 µs
CRI (minimum):	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Colour temperature [K]:	3000	Minimum dimming %:	10
MacAdam Step:	3	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	DALI-2
Life Time LED 2:	87,000h - L90 - B10 (Ta 40°C)		

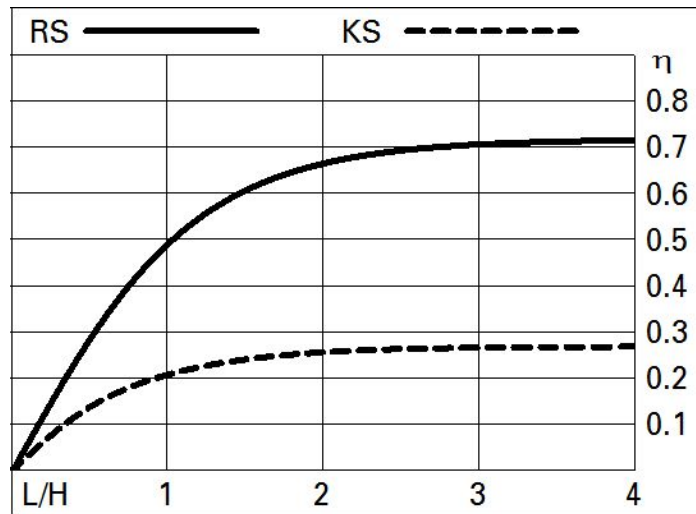
Polar



Isolux



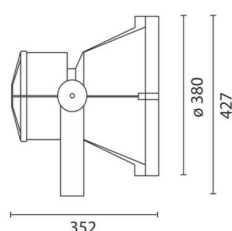
Utilisation factors



Last information update: November 2024

Product configuration: EH39

EH39: Medium body spotlight with bracket - Neutral White - ST1.2

**Product code**

EH39: Medium body spotlight with bracket - Neutral White - ST1.2

Technical description

Outdoor luminaire with direct light street optic for increased visual comfort (G4), designed to use LED lamps. Painted die-cast aluminium body fitted with a 4 mm thick tempered sodium-calcium closing glass, secured to the frame. The optical assembly and the pole attachment system are made of EN1706AC 46100LF aluminium alloy, subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The painting stage consists of a primer and a liquid acrylic paint, cured at 150 °C, with a high level of weather resistance. The optical assembly is also fitted with a silicone sealed closing glass at the front to guarantee it is watertight and liquids cannot penetrate it. The frame has special slots for rainwater drainage. The luminaire is fitted with a double cable gland (M24x1,5) for pass-through wiring. MaxiWoody can be tilted on the vertical plane thanks to a bracket with a 10° step graduated scale, fitted with mechanical blocks that guarantee stable light beam aiming. Horizontal aiming is performed using a plate secured to the ground with slots and screw holes. Thanks to a decompression valve, access to the optical assembly is easy as it eliminates the internal vacuum. All the components are positioned on a single plate using captive screws so extraordinary maintenance is extremely rapid. . The patented Optismart optic system comes complete with a power monochrome Neutral White LED circuit and silver aluminium reflectors. DALI electronic control gear. Midnight mode (100%-70%) or Bi-energy operation without external programming. Personalised Midnight programmable, fixed dimming, compatibility with flux regulators, via a special programming interface. Replaceable control gear. There is no light dispersion into the upper hemisphere above this luminaire in the horizontal position (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

Installation

The luminaire can be floor, ceiling or wall-mounted using a support bracket that can be secured with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be MultiWoody and Citywoody pole-mounted.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

10.85

Mounting

wall arm|ground surface|wall surface

Wiring

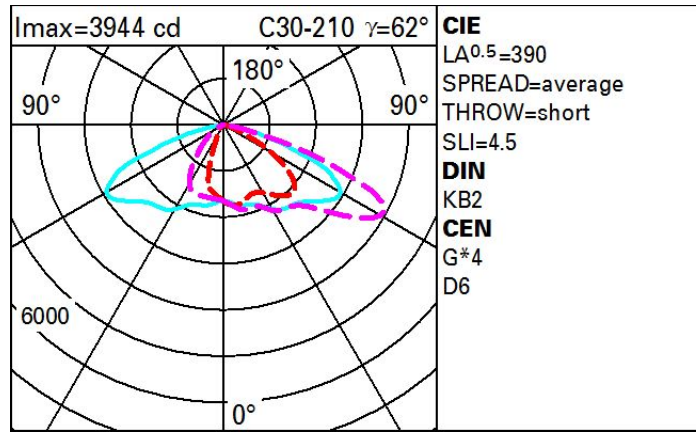
Dimming button option (PUSH DIM): for this option consult the instructions included in the package.

Complies with EN60598-1 and pertinent regulations

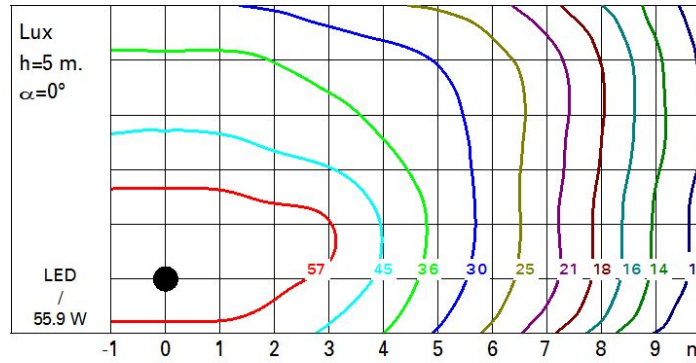
**Technical data**

Im system:	6500	Life Time LED 3:	100,000h - L80 - B10 (Ta 40°C)
W system:	55.9	Lamp code:	LED
Im source:	-	Number of lamps for optical assembly:	1
W source:	-	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	116.3	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura ambiente:	from -30°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	100	Inrush current:	62 A / 202 µs
CRI (minimum):	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	10
MacAdam Step:	3	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	DALI-2
Life Time LED 2:	44,000h - L90 - B10 (Ta 40°C)		

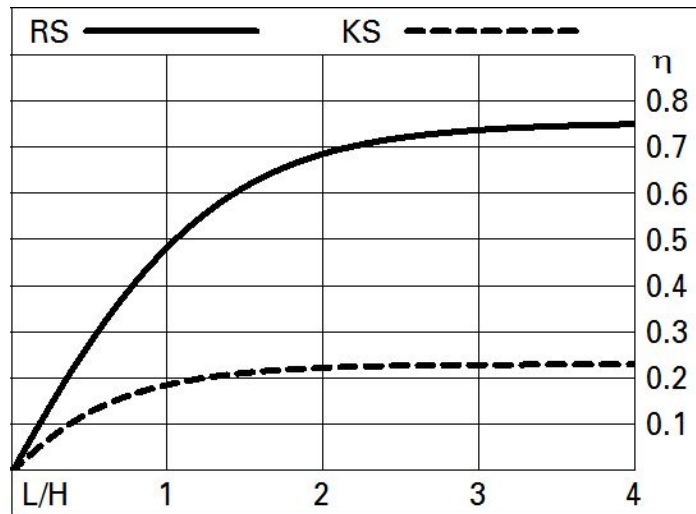
Polar



Isolux

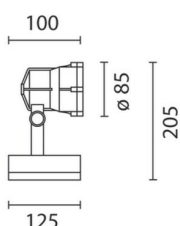


Utilisation factors



Product configuration: E196

E196: Spotlight with base - Neutral White Led - integrated electronic control gear - Spot optic



E196: Spotlight with base - Neutral White Led - integrated electronic control gear - Spot optic

Spotlight description:
Spotlight designed to use LED lamps and a spot optic. Consists of an optical assembly and a base. The optical assembly, arm, base and frame holder are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and secured with captive screws. The 50/60 Shore A silicone seal has been subject to post-cooling treatment, in an oven, for 4-6 hours at 200 °C. The optical assembly allows vertical and horizontal adjustments, with the possibility of locking the adjustment for aiming, and it has slots in the frame for rainwater drainage. Optic with an interchangeable PMMA lens complete with captive screws. Complete with Neutral White colour monochrome LED circuit. The cable gland for connecting the wiring assembly to the lamp assembly is made of M11x1 stainless steel. For the power supply, the device is fitted with a black polyamide PG11 cable gland, suitable for 6.5 to 11.5 mm cables. All external screws used are made of A2 stainless steel.

The luminaire can be floor, ceiling or wall-mounted using either screw anchors for concrete, cement and solid brick or various other available accessories.

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	1.05

wall arm/wall surface/ground anchored/ground spike/ceiling surface

Control gear complete with electronic ballast (220÷240Vac 50/60Hz)

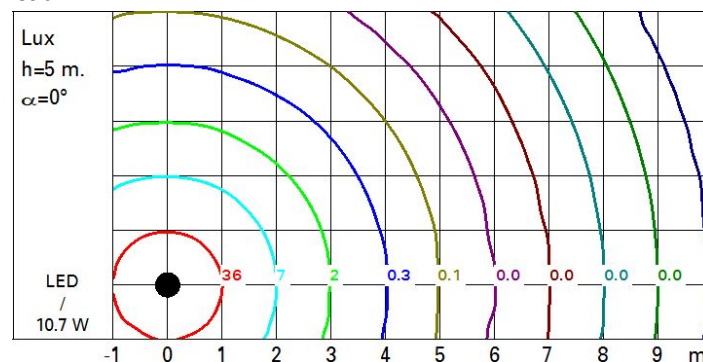
Complies with EN60598-1 and pertinent regulations



Im system:	701	Life Time LED 1:	98,000h - L80 - B10 (Ta 25°C)
W system:	10.7	Life Time LED 2:	99,000h - L80 - B10 (Ta 40°C)
Im source:	910	Lamp code:	LED
W source:	7.9	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	65.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	77	Power factor:	See installation instructions
Beam angle [°]:	8°	Inrush current:	27 A / 250 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 17 luminaires B16A: 27 luminaires C10A: 28 luminaires C16A: 45 luminaires
Colour temperature [K]:	4000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2		

Imax=15642 cd		Lux			
		h	d	Em	Emax
90° 180° 90°		8	1.1	185	244
17500		16	2.2	46	61
0°		24	3.4	21	27
$\alpha = 8^\circ$		32	4.5	12	15

Isolux



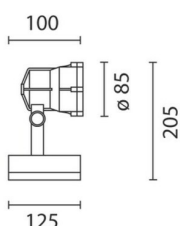
UGR diagram

Corrected UGR values (at 910 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
		viewed crosswise					viewed endwise					
2H	2H	7.3	9.3	7.7	9.6	10.0	7.3	9.3	7.7	9.6	10.0	
	3H	7.3	8.6	7.7	8.9	9.2	7.3	8.6	7.7	8.9	9.2	
	4H	7.3	8.2	7.7	8.6	8.9	7.3	8.2	7.7	8.5	8.9	
	6H	7.3	8.0	7.7	8.3	8.6	7.3	7.9	7.6	8.3	8.6	
	8H	7.2	8.0	7.6	8.3	8.7	7.2	8.0	7.6	8.3	8.7	
	12H	7.1	8.0	7.5	8.4	8.8	7.1	8.0	7.5	8.4	8.7	
4H	2H	7.3	8.2	7.7	8.5	8.9	7.3	8.2	7.7	8.6	8.9	
	3H	7.2	8.1	7.6	8.5	8.8	7.2	8.1	7.6	8.5	8.8	
	4H	7.0	8.2	7.4	8.6	9.1	7.0	8.2	7.4	8.6	9.1	
	6H	6.7	8.5	7.2	8.9	9.4	6.7	8.5	7.2	8.9	9.4	
	8H	6.6	8.5	7.1	8.9	9.4	6.6	8.5	7.1	8.9	9.4	
	12H	6.5	8.4	7.0	8.9	9.4	6.5	8.4	7.0	8.9	9.4	
8H	4H	6.6	8.5	7.1	8.9	9.4	6.6	8.5	7.1	8.9	9.4	
	6H	6.6	8.2	7.1	8.6	9.2	6.6	8.2	7.1	8.6	9.2	
	8H	6.6	7.8	7.1	8.3	8.9	6.6	7.8	7.1	8.3	8.9	
	12H	6.8	7.5	7.3	8.0	8.5	6.8	7.5	7.3	7.9	8.5	
12H	4H	6.5	8.4	7.0	8.9	9.4	6.5	8.4	7.0	8.9	9.4	
	6H	6.6	7.8	7.1	8.3	8.9	6.6	7.9	7.1	8.3	8.9	
	8H	6.8	7.5	7.3	7.9	8.5	6.8	7.5	7.3	8.0	8.5	
Variations with the observer position at spacing:												
S =		1.0H	5.0 / -5.5				5.0 / -5.5					
		1.5H	7.7 / -7.0				7.7 / -7.0					
		2.0H	9.7 / -8.5				9.7 / -8.5					

Last information update: October 2024

Product configuration: E200

E200: Spotlight with base - Neutral White Led - integrated electronic control gear - Flood optic

**Product code**

E200: Spotlight with base - Neutral White Led - integrated electronic control gear - Flood optic

Technical description

Spotlight designed to use LED lamps and a flood optic. Consists of an optical assembly and a base. The optical assembly, arm, base and frame holder are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and secured with captive screws. The 50/60 Shore A silicone seal has been subject to post-cooling treatment, in an oven, for 4-6 hours at 200 °C. The optical assembly allows vertical and horizontal adjustments, with the possibility of locking the adjustment for aiming, and it has slots in the frame for rainwater drainage. Optic with an interchangeable PMMA lens complete with captive screws. Complete with Neutral White colour monochrome LED circuit. The cable gland for connecting the wiring assembly to the lamp assembly is made of M11x1 stainless steel. For the power supply, the device is fitted with a black polyamide PG11 cable gland, suitable for 6.5 to 11.5 mm cables. All external screws used are made of A2 stainless steel.

Installation

The luminaire can be floor, ceiling or wall-mounted using either screw anchors for concrete, cement and solid brick or various other available accessories.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

29.35

Mounting

wall arm|wall surface|ground anchored|ground spike|ceiling surface

Wiring

Control gear complete with electronic ballast (220÷240Vac 50/60Hz)

Complies with EN60598-1 and pertinent regulations

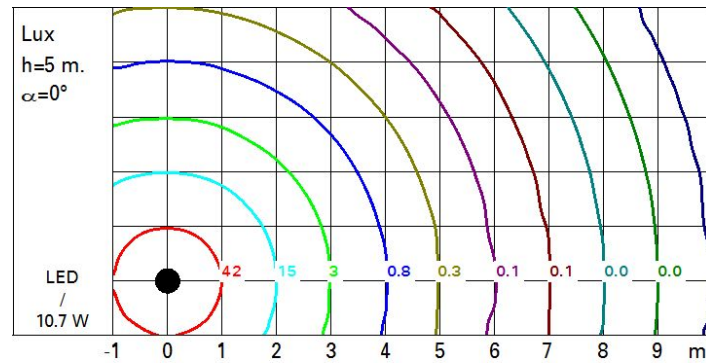
**Technical data**

Im system:	591	Life Time LED 1:	98,000h - L80 - B10 (Ta 25°C)
W system:	10.7	Life Time LED 2:	99,000h - L80 - B10 (Ta 40°C)
Im source:	910	Lamp code:	LED
W source:	7.9	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	55.2	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	65	Power factor:	See installation instructions
Beam angle [°]:	40°	Inrush current:	27 A / 250 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 17 luminaires B16A: 27 luminaires C10A: 28 luminaires C16A: 45 luminaires
Colour temperature [K]:	4000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2		

Polar

Imax=1226 cd		Lux			
90°	180°	90°	h	d	Em Emax
			2	1.5	252 307
			4	2.9	63 77
			6	4.4	28 34
			8	5.8	16 19
$\alpha = 40^\circ$					

Isolux



UGR diagram

Corrected UGR values (at 910 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	13.2	13.8	13.5	14.1	14.3	13.2	13.8	13.5	14.1	14.3	
	3H	13.1	13.7	13.4	14.0	14.2	13.2	13.7	13.5	14.0	14.2	
	4H	13.1	13.6	13.4	13.9	14.2	13.1	13.6	13.4	13.9	14.2	
	6H	13.0	13.5	13.3	13.8	14.1	13.0	13.5	13.4	13.8	14.1	
	8H	13.0	13.4	13.3	13.7	14.1	13.0	13.4	13.3	13.8	14.1	
	12H	12.9	13.4	13.3	13.7	14.0	12.9	13.4	13.3	13.7	14.1	
4H	2H	13.1	13.6	13.4	13.9	14.2	13.1	13.6	13.4	13.9	14.2	
	3H	13.0	13.4	13.4	13.8	14.1	13.0	13.4	13.4	13.8	14.1	
	4H	12.9	13.3	13.3	13.7	14.1	12.9	13.3	13.3	13.7	14.1	
	6H	12.8	13.2	13.3	13.6	14.0	12.8	13.2	13.3	13.6	14.0	
	8H	12.8	13.1	13.2	13.5	13.9	12.8	13.1	13.2	13.5	13.9	
	12H	12.7	13.0	13.2	13.4	13.9	12.7	13.0	13.2	13.4	13.9	
8H	4H	12.8	13.1	13.2	13.5	13.9	12.8	13.1	13.2	13.5	13.9	
	6H	12.7	13.0	13.2	13.4	13.9	12.7	13.0	13.2	13.4	13.9	
	8H	12.6	12.9	13.1	13.3	13.8	12.6	12.9	13.1	13.3	13.8	
	12H	12.6	12.8	13.1	13.3	13.8	12.6	12.8	13.1	13.3	13.8	
12H	4H	12.7	13.0	13.2	13.4	13.9	12.7	13.0	13.2	13.4	13.9	
	6H	12.6	12.9	13.1	13.3	13.8	12.6	12.9	13.1	13.3	13.8	
	8H	12.6	12.8	13.1	13.3	13.8	12.6	12.8	13.1	13.3	13.8	
Variations with the observer position at spacing:												
S = 1.0H		3.6 / -5.2					3.6 / -5.2					
1.5H		6.2 / -8.2					6.2 / -8.2					
2.0H		8.2 / -11.1					8.2 / -11.1					