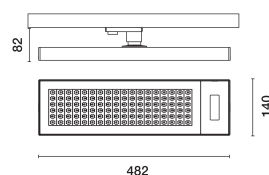


Last information update: January 2025

Product configuration: PZ43.S4

PZ43.S4: Luminaire L=482 - Organic Response - Very Wide Flood (Down) optic - GL - 29W 4132.5lm - 2700K - Black/Black/Black Transparent

**Product code**

PZ43.S4: Luminaire L=482 - Organic Response - Very Wide Flood (Down) optic - GL - 29W 4132.5lm - 2700K - Black/Black/Black Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated power supply and 2700K CRI80 direct emission monochrome LED lamp (Mid-Power). Luminaire complete with Organic Response wireless multi-sensor and light and motion detector. Wirepas, Bluetooth, IR and PIR detection technology. In base systems with a Plug&Play configuration, the luminaire operates in stand-alone mode (motion control) and communicates automatically with other nearby luminaires fitted with the same Organic Response sensor. For advanced functions, like daylight control and editing operating parameters, the Organic Response Express app available from App Store and Play Store can be used. Accessories like BLE buttons, dongles and gateways are available for system architectures connected to the Organic Response Portal that can be used to activate other sensor functions, like Analytics and Space Management. Wireless frequency 2.4 GHz / IR 38 kHz. Integrated beacon that can be activated via the Organic Response Portal (iBeacon protocol). Option of rotation around a vertical axis by 360° with a mechanical rotation lock.

Installation

Mounted on mains voltage tracks.

Positioning height min 2.7 m / max 3.7 m. Distance between luminaires min 1.0 m / max 3.0 m.

For other height positioning values and distances between luminaires, contact iGuzzini or refer to the instruction sheets.

Typical motion sensor coverage diameter: 3 m (@ 2.7 m installation h), 58°

Colour

Black/Black/Black Transparent (S4)

Weight (Kg)

1.66

Notes

Specifications:

Default Plug&Play values (that can be changed from the Organic Response Express app):

-Maximum light level with presence (max light): 100%

-Wait before shifting to low light level (dwell time): 10 min

-Low light level (low light): 10%

-Low light level time (low light time): 10 min

-Minimum light value after low level time (min light): 0% (OFF)

-Daylight control: disabled but can be activated using app

-Double time for sensor that has detected the last presence state (double dwell time): disabled

-Mesh RF sensor-sensor-gateway distance: Wirepas, maximum distance 8m (in a straight line with no obstacles).

-Sensor-smartphone-button connection: Bluetooth.

For advanced programming with the Organic Response portal, an IR dongle and gateway are required.

Complies with EN60598-1 and pertinent regulations

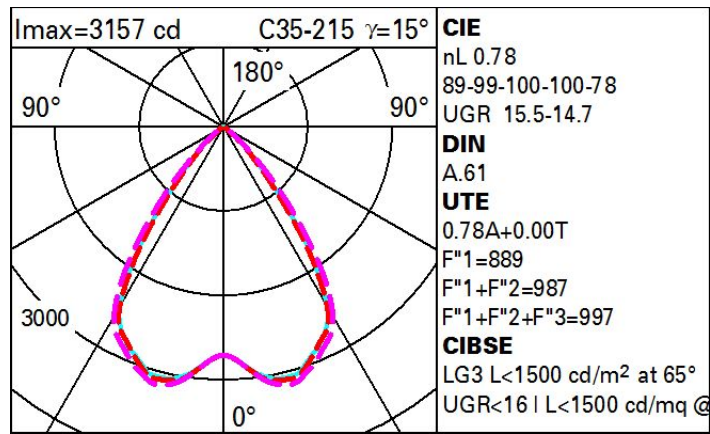


IP20

**Technical data**

Im system:	4134	MacAdam Step:	3
W system:	28	Lamp code:	LED
Im source:	5300	Number of lamps for optical assembly:	1
W source:	28	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	147.6	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	10 A / 220 µs
Light Output Ratio (L.O.R.) [%]:	78	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	2700	Overvoltage protection:	2kV Common mode & 1kV Differential mode

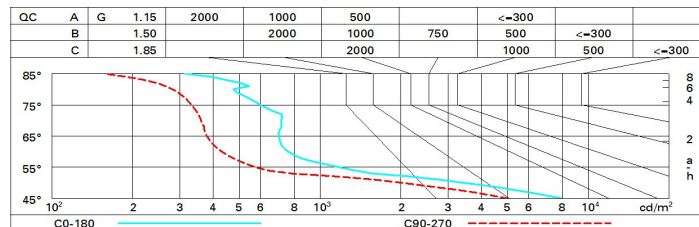
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	56	61	58	58	55	70
1.0	70	66	63	61	65	62	62	59	76
1.5	75	72	69	67	71	69	68	65	84
2.0	78	75	74	72	74	73	72	69	89
2.5	79	78	76	75	76	75	74	72	92
3.0	81	79	78	77	78	77	76	74	94
4.0	82	81	80	79	79	79	77	75	96
5.0	82	82	81	80	80	79	78	76	97

Luminance curve limit



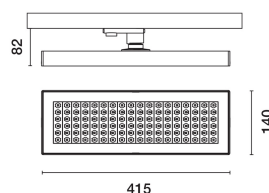
UGR diagram

Corrected UGR values (at 5300 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	15.9	16.7	16.2	16.9	17.1	15.2	15.9	15.5	16.2	16.4	
	3H	15.8	16.5	16.2	16.8	17.0	15.1	15.7	15.4	16.0	16.3	
	4H	15.8	16.4	16.1	16.7	17.0	15.0	15.6	15.4	15.9	16.2	
	6H	15.7	16.3	16.1	16.6	16.9	14.9	15.5	15.3	15.8	16.1	
	8H	15.7	16.2	16.1	16.6	16.9	14.9	15.4	15.3	15.8	16.1	
	12H	15.7	16.2	16.0	16.5	16.9	14.9	15.4	15.3	15.7	16.1	
4H	2H	15.7	16.3	16.1	16.6	16.9	15.1	15.7	15.4	15.9	16.3	
	3H	15.6	16.1	16.0	16.5	16.8	14.9	15.4	15.3	15.8	16.1	
	4H	15.6	16.0	16.0	16.4	16.8	14.8	15.3	15.2	15.7	16.0	
	6H	15.5	15.9	15.9	16.3	16.7	14.8	15.2	15.2	15.5	16.0	
	8H	15.5	15.8	15.9	16.3	16.7	14.7	15.1	15.2	15.5	15.9	
	12H	15.4	15.8	15.9	16.2	16.7	14.7	15.0	15.1	15.4	15.9	
8H	4H	15.4	15.8	15.9	16.2	16.7	14.8	15.1	15.2	15.5	16.0	
	6H	15.4	15.7	15.9	16.1	16.6	14.7	15.0	15.2	15.4	15.9	
	8H	15.4	15.6	15.8	16.1	16.6	14.6	14.9	15.1	15.4	15.9	
	12H	15.3	15.5	15.8	16.0	16.6	14.6	14.8	15.1	15.3	15.8	
12H	4H	15.4	15.7	15.9	16.2	16.6	14.7	15.0	15.2	15.5	15.9	
	6H	15.3	15.6	15.8	16.1	16.6	14.6	14.9	15.1	15.4	15.9	
	8H	15.3	15.5	15.8	16.0	16.5	14.6	14.8	15.1	15.3	15.8	
Variations with the observer position at spacing:												
S =		1.0H	3.6 / -9.0				3.8 / -9.7					
		1.5H	6.3 / -10.1				6.3 / -10.4					
		2.0H	8.3 / -10.6				8.2 / -10.6					

Last information update: January 2025

Product configuration: RS91.S3

RS91.S3: Luminaire L=411,60 - Integrated DALI - Very Wide Flood (Down) optic - 31.9W 4263lm - 3500K - CRI 90 - White/Black/Black Transparent



Product code

RS91.S3: Luminaire L=411,60 - Integrated DALI - Very Wide Flood (Down) optic - 31.9W 4263lm - 3500K - CRI 90 - White/Black/Black Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with 3500K CRI90 direct emission monochrome LED lamp (Mid-Power). Option of rotation around a vertical axis by 360° with a mechanical rotation lock.

Installation

With a three-phase/DALI track or surface-mounted/recessed base

Colour

White/Black/Black Transparent (S3)

Weight (Kg)

1.33

Mounting

internal wall corner|dali track|three circuit track|ceiling recessed|ceiling surface

Wiring

Product complete with DALI dimmable components housed inside the luminaire.

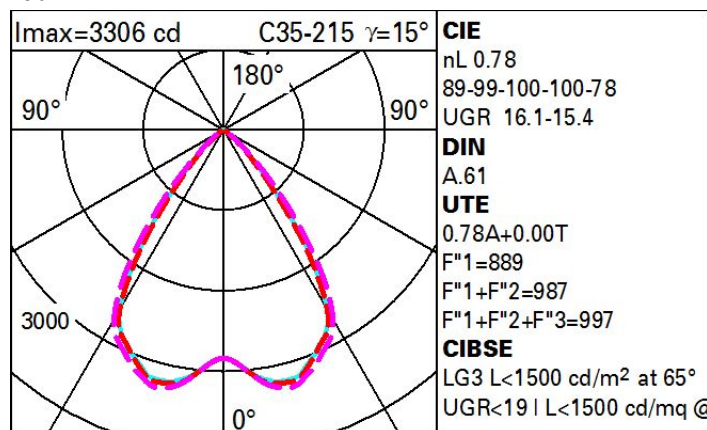
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	4329	Lamp code:	LED
W system:	33	Number of lamps for optical assembly:	1
Im source:	5550	ZVEI Code:	LED
W source:	33	Number of optical assemblies:	1
Luminous efficiency (lm/W, real value):	131.2	Power factor:	See installation instructions
Im in emergency mode:	-	Inrush current:	10 A / 220 µs
Total light flux at or above an angle of 90° [Lm]:	0	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Light Output Ratio (L.O.R.) [%]:	78	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3500	Control:	DALI-2
MacAdam Step:	3		

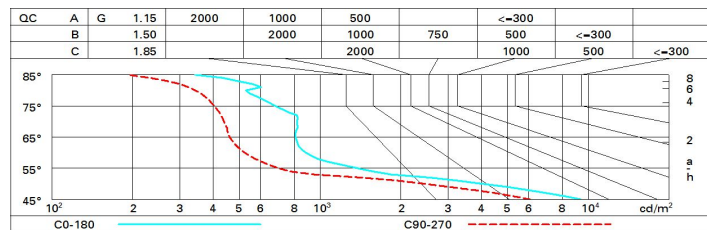
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	56	61	58	58	55	70
1.0	70	66	63	61	65	62	62	59	76
1.5	75	72	69	67	71	69	68	65	84
2.0	78	75	74	72	74	73	72	69	89
2.5	79	78	76	75	76	75	74	72	92
3.0	81	79	78	77	78	77	76	74	94
4.0	82	81	80	79	79	79	77	75	96
5.0	82	82	81	80	80	79	78	76	97

Luminance curve limit



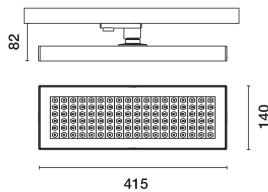
UGR diagram

Corrected UGR values (at 5550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	16.6	17.3	16.8	17.5	17.8	15.9	16.6	16.2	16.8	17.1
	3H	16.5	17.1	16.8	17.4	17.7	15.8	16.4	16.1	16.7	17.0
	4H	16.4	17.0	16.7	17.3	17.6	15.7	16.3	16.0	16.6	16.9
	6H	16.3	16.9	16.7	17.2	17.5	15.6	16.2	16.0	16.5	16.8
	8H	16.3	16.8	16.7	17.2	17.5	15.6	16.1	15.9	16.4	16.8
	12H	16.3	16.8	16.7	17.1	17.5	15.5	16.0	15.9	16.4	16.7
4H	2H	16.4	17.0	16.7	17.2	17.6	15.7	16.3	16.0	16.6	16.9
	3H	16.2	16.7	16.6	17.1	17.4	15.6	16.1	16.0	16.4	16.8
	4H	16.2	16.6	16.6	17.0	17.4	15.5	15.9	15.9	16.3	16.7
	6H	16.1	16.5	16.6	16.9	17.3	15.4	15.8	15.8	16.2	16.6
	8H	16.1	16.5	16.5	16.9	17.3	15.4	15.7	15.8	16.1	16.6
	12H	16.1	16.4	16.5	16.8	17.3	15.3	15.7	15.8	16.1	16.5
8H	4H	16.1	16.4	16.5	16.8	17.3	15.4	15.8	15.9	16.2	16.6
	6H	16.0	16.3	16.5	16.7	17.2	15.3	15.6	15.8	16.1	16.6
	8H	16.0	16.2	16.5	16.7	17.2	15.3	15.5	15.8	16.0	16.5
	12H	15.9	16.2	16.4	16.6	17.2	15.3	15.5	15.8	16.0	16.5
12H	4H	16.0	16.3	16.5	16.8	17.2	15.4	15.7	15.8	16.1	16.6
	6H	16.0	16.2	16.4	16.7	17.2	15.3	15.6	15.8	16.0	16.5
	8H	15.9	16.1	16.4	16.6	17.1	15.3	15.5	15.8	16.0	16.5
Variations with the observer position at spacing:											
S =	1.0H	3.6 / -9.1					3.7 / -9.7				
	1.5H	6.3 / -10.2					6.3 / -10.4				
	2.0H	8.3 / -10.7					8.3 / -10.6				

Last information update: January 2025

Product configuration: RS91.S2

RS91.S2: Luminaire L=411,60 - Integrated DALI - Very Wide Flood (Down) optic - 31.9W 4263lm - 3500K - CRI 90 - Black/White/White Transparent

**Product code**

RS91.S2: Luminaire L=411,60 - Integrated DALI - Very Wide Flood (Down) optic - 31.9W 4263lm - 3500K - CRI 90 - Black/White/White Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with 3500K CRI90 direct emission monochrome LED lamp (Mid-Power). Option of rotation around a vertical axis by 360° with a mechanical rotation lock.

Installation

With a three-phase/DALI track or surface-mounted/recessed base

Colour

Black/White/White Transparent (S2)

Weight (Kg)

1.33

Mounting

internal wall corner|dali track|three circuit track|ceiling recessed|ceiling surface

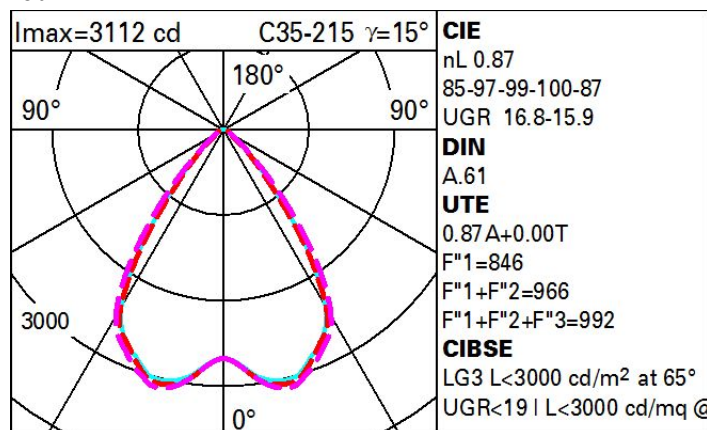
Wiring

Product complete with DALI dimmable components housed inside the luminaire.

Complies with EN60598-1 and pertinent regulations

**Technical data**

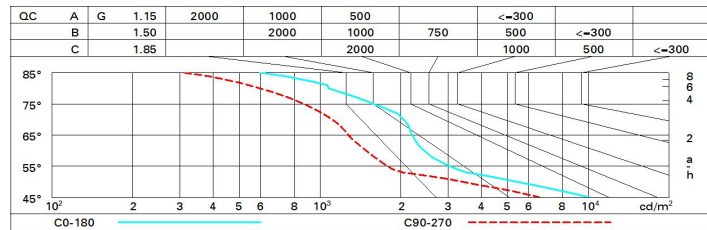
Im system:	4263	Lamp code:	LED
W system:	29	Number of lamps for optical assembly:	1
Im source:	4900	ZVEI Code:	LED
W source:	29	Number of optical assemblies:	1
Luminous efficiency (lm/W, real value):	147	Power factor:	See installation instructions
Im in emergency mode:	-	Inrush current:	10 A / 220 µs
Total light flux at or above an angle of 90° [Lm]:	0	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Light Output Ratio (L.O.R.) [%]:	87	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3500	Control:	DALI-2
MacAdam Step:	3		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	67	63	60	66	62	62	58	67
1.0	77	72	68	65	71	67	67	63	73
1.5	82	79	75	73	77	75	74	70	81
2.0	86	83	80	78	82	79	78	75	87
2.5	88	85	84	82	84	82	81	78	90
3.0	89	87	86	84	86	85	83	81	93
4.0	91	89	88	87	88	87	85	83	95
5.0	91	90	89	88	89	88	86	84	96

Luminance curve limit



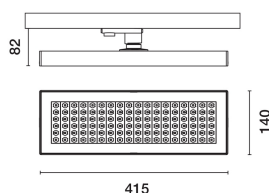
UGR diagram

Corrected UGR values (at 4900 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	10.7	17.4	17.0	17.7	17.9	10.0	10.7	10.3	17.0	17.2
	3H	10.8	17.5	17.1	17.7	18.0	15.9	10.6	10.2	10.9	17.1
	4H	10.8	17.4	17.1	17.7	18.0	15.8	10.5	10.2	10.8	17.1
	6H	10.8	17.4	17.2	17.7	18.0	15.8	10.4	10.1	10.7	17.0
	8H	10.8	17.4	17.2	17.7	18.0	15.7	10.3	10.1	10.6	17.0
	12H	10.8	17.3	17.1	17.6	18.0	15.7	10.3	10.1	10.6	17.0
4H	2H	10.5	17.2	16.9	17.5	17.8	10.0	10.7	10.4	17.0	17.3
	3H	10.7	17.2	17.0	17.6	17.9	10.0	10.5	10.4	10.9	17.2
	4H	10.7	17.2	17.1	17.6	18.0	10.0	10.4	10.4	10.8	17.2
	6H	10.8	17.2	17.2	17.6	18.0	15.9	10.3	10.4	10.7	17.2
	8H	10.8	17.1	17.2	17.6	18.0	15.9	10.3	10.3	10.7	17.1
	12H	10.7	17.1	17.2	17.5	18.0	15.9	10.2	10.3	10.6	17.1
8H	4H	10.6	17.0	17.1	17.4	17.9	10.0	10.4	10.4	10.8	17.2
	6H	10.7	17.0	17.2	17.5	17.9	10.0	10.3	10.4	10.7	17.2
	8H	10.7	17.0	17.2	17.5	18.0	10.0	10.2	10.4	10.7	17.2
	12H	10.7	16.9	17.2	17.4	17.9	15.9	10.2	10.4	10.7	17.2
12H	4H	10.6	17.0	17.1	17.4	17.8	10.0	10.3	10.4	10.7	17.2
	6H	10.7	16.9	17.2	17.4	17.9	10.0	10.2	10.4	10.7	17.2
	8H	10.7	16.9	17.2	17.4	17.9	10.0	10.2	10.5	10.7	17.2
Variations with the observer position at spacing:											
S =		1.0H	2.8 / -4.0				3.0 / -4.4				
		1.5H	5.3 / -4.7				5.3 / -5.0				
		2.0H	7.2 / -5.1				7.2 / -5.2				

Last information update: January 2025

Product configuration: RS88.S4

RS88.S4: Luminaire L=411,60 - Neutral White - Integrated DALI - Very Wide Flood (Down) optic - 26.4W 4350lm - 4000K - Black/Black/Black Transparent

**Product code**

RS88.S4: Luminaire L=411,60 - Neutral White - Integrated DALI - Very Wide Flood (Down) optic - 26.4W 4350lm - 4000K - Black/Black/Black Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with CRI80 direct emission Neutral white (4000K) monochrome LED lamp (Mid-Power). Option of rotation around a vertical axis by 360° with a mechanical rotation lock.

Installation

With a three-phase/DALI track or surface-mounted/recessed base

Colour

Black/Black/Black Transparent (S4)

Weight (Kg)

1.33

Mounting

internal wall corner|dali track|three circuit track|ceiling recessed|ceiling surface

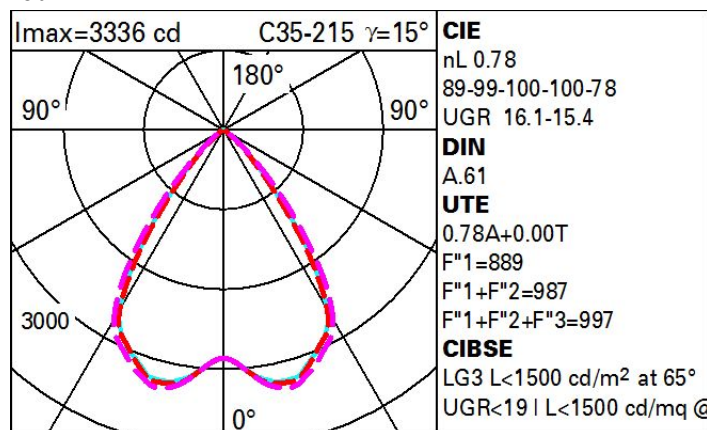
Wiring

Product complete with DALI dimmable components housed inside the luminaire.

Complies with EN60598-1 and pertinent regulations

**Technical data**

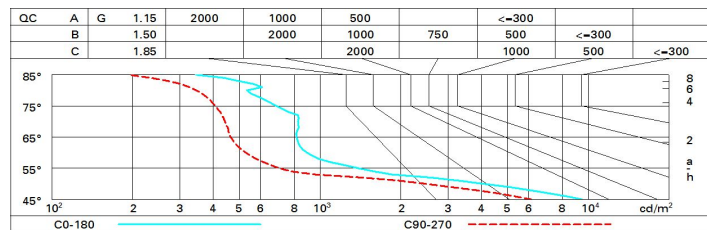
Im system:	4368	Lamp code:	LED
W system:	27	Number of lamps for optical assembly:	1
Im source:	5600	ZVEI Code:	LED
W source:	27	Number of optical assemblies:	1
Luminous efficiency (lm/W, real value):	161.8	Power factor:	See installation instructions
Im in emergency mode:	-	Inrush current:	10 A / 220 µs
Total light flux at or above an angle of 90° [Lm]:	0	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Light Output Ratio (L.O.R.) [%]:	78	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	3		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	56	61	58	58	55	70
1.0	70	66	63	61	65	62	62	59	76
1.5	75	72	69	67	71	69	68	65	84
2.0	78	75	74	72	74	73	72	69	89
2.5	79	78	76	75	76	75	74	72	92
3.0	81	79	78	77	78	77	76	74	94
4.0	82	81	80	79	79	79	77	75	96
5.0	82	82	81	80	80	79	78	76	97

Luminance curve limit



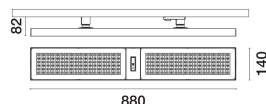
UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Reflect.: ceil/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	16.6	17.3	16.9	17.5	17.8	15.9	16.6	16.2	16.9	17.1
	3H	16.5	17.1	16.8	17.4	17.7	15.8	16.4	16.1	16.7	17.0
	4H	16.4	17.0	16.8	17.3	17.6	15.7	16.3	16.1	16.6	16.9
	6H	16.4	16.9	16.7	17.2	17.6	15.6	16.2	16.0	16.5	16.8
	8H	16.3	16.9	16.7	17.2	17.5	15.6	16.1	16.0	16.5	16.8
	12H	16.3	16.8	16.7	17.2	17.5	15.6	16.1	15.9	16.4	16.8
4H	2H	16.4	17.0	16.7	17.3	17.6	15.7	16.3	16.1	16.6	16.9
	3H	16.3	16.8	16.7	17.1	17.5	15.6	16.1	16.0	16.5	16.8
	4H	16.2	16.7	16.6	17.0	17.4	15.5	16.0	15.9	16.3	16.7
	6H	16.2	16.5	16.6	16.9	17.4	15.5	15.8	15.9	16.2	16.7
	8H	16.1	16.5	16.6	16.9	17.3	15.4	15.8	15.8	16.2	16.6
	12H	16.1	16.4	16.5	16.8	17.3	15.4	15.7	15.8	16.1	16.6
8H	4H	16.1	16.4	16.5	16.9	17.3	15.4	15.8	15.9	16.2	16.7
	6H	16.0	16.3	16.5	16.8	17.2	15.4	15.7	15.8	16.1	16.6
	8H	16.0	16.3	16.5	16.7	17.2	15.3	15.6	15.8	16.0	16.5
	12H	16.0	16.2	16.5	16.7	17.2	15.3	15.5	15.8	16.0	16.5
12H	4H	16.0	16.4	16.5	16.8	17.3	15.4	15.7	15.9	16.2	16.6
	6H	16.0	16.2	16.5	16.7	17.2	15.3	15.6	15.8	16.1	16.5
	8H	16.0	16.2	16.5	16.7	17.2	15.3	15.5	15.8	16.0	16.5
Variations with the observer position at spacing:											
S =	1.0H	3.6 / -9.1					3.7 / -9.7				
	1.5H	6.3 / -10.2					6.3 / -10.4				
	2.0H	8.3 / -10.7					8.3 / -10.6				

Last information update: March 2025

Product configuration: PY93.S1

PY93.S1: Luminaire L=880 - DALI-2 Sensor - Very Wide Flood (Down) optic - UGR<19 - 33.5W 4828.5lm - 3500K - CRI 90 - White/White/White Transparent

**Product code**

PY93.S1: Luminaire L=880 - DALI-2 Sensor - Very Wide Flood (Down) optic - UGR<19 - 33.5W 4828.5lm - 3500K - CRI 90 - White/White/White Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI-2 power supply and 3500K CRI90 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ($L \leq 3000 \text{ cd/m}^2$). Luminaire complete with DALI-2 sensor and light and motion detector, for compatible DALI-2 control systems.

Installation

Mounted on mains voltage tracks.

Positioning height min 2.4 m / max 5 m for motion and min 2.4 m / max 3 m as a light and motion sensor.

For other height positioning values and distances between luminaires, contact iGuzzini or refer to the instruction sheets.

Example of typical motion sensor coverage diameter: 5 m (@ 4 m h for installation).

Dynamic lighting range: 1-1000 lx.

Movement detection angle 84°.

Detection angle for light measurement 30° - 60° (asymmetric).

Colour

White/White/White Transparent (S1)

Weight (Kg)

2.73

Wiring

Power supply via DALI bus (consumption 9 mA).

Notes

DALI EN 62386-101 ed.2 (DALI-2) The sensor used is DALI-2 certified. DALI parts 101,103,301,303,304

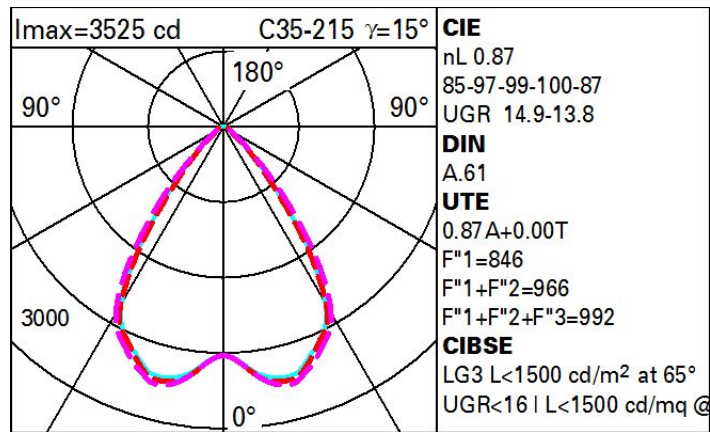
For systems compatible with the DALI-2 sensor, contact iGuzzini.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	4829	Lamp code:	LED
W system:	31	Number of lamps for optical assembly:	1
Im source:	5550	ZVEI Code:	LED
W source:	31	Number of optical assemblies:	1
Luminous efficiency (Im/W, real value):	155.8	Power factor:	See installation instructions
Im in emergency mode:	-	Inrush current:	10 A / - µs
Total light flux at or above an angle of 90° [Lm]:	0	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Light Output Ratio (L.O.R.) [%]:	87	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3500	Control:	DALI-2 sensor
MacAdam Step:	3		

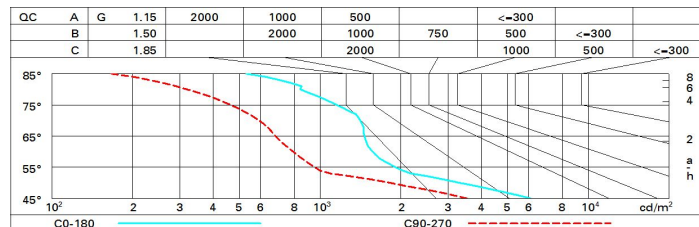
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	67	63	60	66	62	62	58	67
1.0	77	72	68	65	71	67	67	63	73
1.5	82	79	75	73	77	75	74	70	81
2.0	86	83	80	78	82	79	78	75	87
2.5	88	85	84	82	84	82	81	78	90
3.0	89	87	86	84	86	85	83	81	93
4.0	91	89	88	87	88	87	85	83	95
5.0	91	90	89	88	89	88	86	84	96

Luminance curve limit



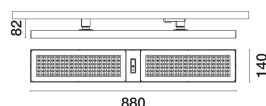
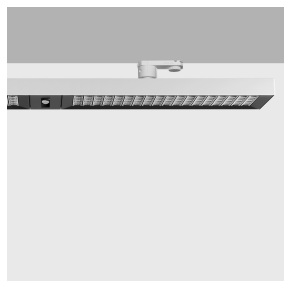
UGR diagram

Corrected UGR values (at 5550 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	14.8	15.6	15.1	15.8	16.0	13.9	14.6	14.2	14.9	15.1	15.1
	3H	14.9	15.6	15.2	15.9	16.1	13.8	14.5	14.1	14.8	15.1	15.1
	4H	14.9	15.6	15.3	15.9	16.2	13.8	14.4	14.1	14.7	15.0	15.0
	6H	15.0	15.6	15.3	15.9	16.2	13.7	14.3	14.1	14.6	14.9	14.9
	8H	15.0	15.5	15.3	15.9	16.2	13.7	14.2	14.0	14.6	14.9	14.9
	12H	14.9	15.5	15.3	15.8	16.2	13.6	14.2	14.0	14.5	14.9	14.9
4H	2H	14.6	15.3	15.0	15.6	15.9	13.9	14.6	14.3	14.9	15.2	15.2
	3H	14.8	15.3	15.2	15.7	16.0	13.9	14.5	14.3	14.8	15.2	15.2
	4H	14.9	15.4	15.3	15.7	16.1	13.9	14.4	14.3	14.7	15.1	15.1
	6H	14.9	15.4	15.4	15.8	16.2	13.9	14.3	14.3	14.7	15.1	15.1
	8H	14.9	15.3	15.4	15.7	16.2	13.8	14.2	14.3	14.6	15.1	15.1
	12H	14.9	15.3	15.4	15.7	16.2	13.8	14.1	14.2	14.6	15.0	15.0
8H	4H	14.8	15.2	15.2	15.6	16.0	13.9	14.3	14.3	14.7	15.1	15.1
	6H	14.9	15.2	15.4	15.6	16.1	13.9	14.2	14.4	14.7	15.1	15.1
	8H	14.9	15.2	15.4	15.6	16.1	13.9	14.2	14.4	14.6	15.1	15.1
	12H	14.9	15.1	15.4	15.6	16.1	13.9	14.1	14.4	14.6	15.1	15.1
12H	4H	14.8	15.1	15.2	15.5	16.0	13.9	14.2	14.3	14.7	15.1	15.1
	6H	14.8	15.1	15.3	15.6	16.1	13.9	14.2	14.4	14.6	15.1	15.1
	8H	14.9	15.1	15.4	15.6	16.1	13.9	14.1	14.4	14.6	15.1	15.1
Variations with the observer position at spacing:												
S =		1.0H	2.7 / -3.8		3.0 / -4.4							
		1.5H	5.2 / -4.3		5.2 / -4.9							
		2.0H	7.1 / -4.9		7.1 / -5.2							

Last information update: March 2025

Product configuration: PY79.S3

PY79.S3: Luminaire L=880 - Organic Response - Very Wide Flood (Down) optic - UGR<19 - 31W 4741.5lm - 2700K - White/Black/Black Transparent



Product code

PY79.S3: Luminaire L=880 - Organic Response - Very Wide Flood (Down) optic - UGR<19 - 31W 4741.5lm - 2700K - White/Black/Black Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated power supply and 2700K CRI80 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ($L \leq 3000 \text{ cd/m}^2$). Luminaire complete with Organic Response wireless multi-sensor and light and motion detector. Wirepas, Bluetooth, infrared communication and PIR technology. In base systems with a Plug&Play configuration, the luminaire operates in stand-alone mode (motion control) and communicates automatically with other nearby luminaires fitted with the same Organic Response sensor. For advanced functions, like daylight control and editing operating parameters, the Organic Response Express app available from App Store and Play Store can be used. Accessories like BLE buttons, dongles and gateways are available for system architectures connected to the Organic Response Portal that can be used to activate other sensor functions, like Analytics and Space Management. Wireless frequency 2.4 GHz / IR 38 kHz. Integrated beacon that can be activated via the Organic Response Portal (iBeacon protocol).

Installation

Mounted on mains voltage tracks.

Positioning height min 2.7 m / max 3.7 m. Distance between luminaires min 1.0 m / max 3.0 m.

For other height positioning values and distances between luminaires, contact iGuzzini or refer to the instruction sheets.

Typical motion sensor coverage diameter: 3 m (@ 2.7 m installation h), 58°

Colour

White/Black/Black Transparent (S3)

Weight (Kg)

2.73

Notes

Specifications:

Default Plug&Play values (that can be changed from the app Organic Response Express):

-Maximum light level with presence (max light): 100%

-Wait before shifting to low light level (dwell time): 10 min

-Low light level (low light): 10%

-Low light level time (low light time): 10 min

-Minimum light value after low level time (min light): 0% (OFF)

-Daylight control: disabled but can be activated using app

-Double time for sensor that has detected the last presence state (double dwell time): disabled

-Mesh RF sensor-sensor-gateway distance: Wirepas, maximum distance 8m (in a straight line with no obstacles).

-Sensor-smartphone-button connection: Bluetooth.

For advanced programming with the Organic Response portal, an IR dongle and gateway are required.

Complies with EN60598-1 and pertinent regulations



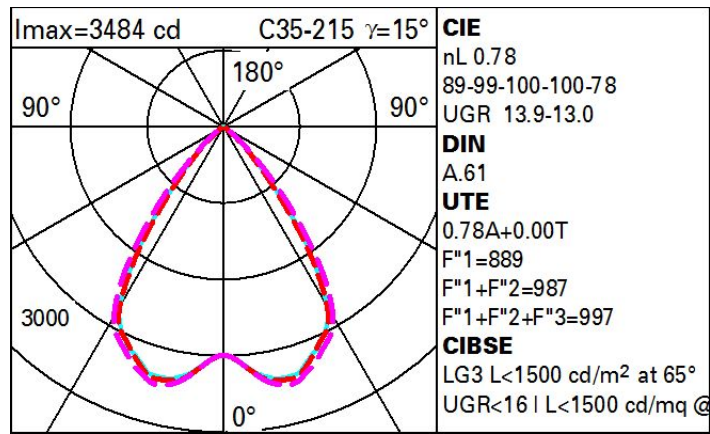
IP20



Technical data

lm system:	4563	MacAdam Step:	3
W system:	30	Lamp code:	LED
lm source:	5850	Number of lamps for optical assembly:	1
W source:	30	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	152.1	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	10 A / 220 µs
Light Output Ratio (L.O.R.) [%]:	78	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	2700	Overvoltage protection:	2kV Common mode & 1kV Differential mode

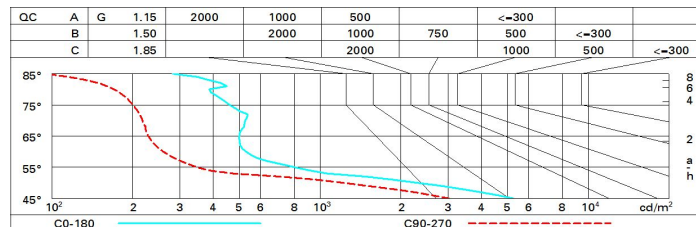
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	56	61	58	58	55	70
1.0	70	66	63	61	65	62	62	59	76
1.5	75	72	69	67	71	69	68	65	84
2.0	78	75	74	72	74	73	72	69	89
2.5	79	78	76	75	76	75	74	72	92
3.0	81	79	78	77	78	77	76	74	94
4.0	82	81	80	79	79	79	77	75	96
5.0	82	82	81	80	80	79	78	76	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 5850 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	14.4	15.1	14.7	15.4	15.6	13.5	14.3	13.8	14.5	14.7	14.7
	3H	14.3	14.9	14.6	15.2	15.5	13.4	14.1	13.7	14.3	14.6	14.6
	4H	14.2	14.8	14.6	15.1	15.4	13.3	13.9	13.7	14.2	14.5	14.5
	6H	14.2	14.7	14.5	15.1	15.4	13.3	13.8	13.6	14.1	14.5	14.5
	8H	14.2	14.7	14.5	15.0	15.4	13.2	13.8	13.6	14.1	14.4	14.4
	12H	14.1	14.6	14.5	15.0	15.3	13.2	13.7	13.6	14.0	14.4	14.4
4H	2H	14.2	14.8	14.5	15.1	15.4	13.4	14.0	13.7	14.3	14.6	14.6
	3H	14.1	14.6	14.5	14.9	15.3	13.2	13.7	13.6	14.1	14.4	14.4
	4H	14.0	14.5	14.4	14.8	15.2	13.2	13.6	13.6	14.0	14.4	14.4
	6H	14.0	14.4	14.4	14.8	15.2	13.1	13.5	13.5	13.9	14.3	14.3
	8H	13.9	14.3	14.4	14.7	15.2	13.0	13.4	13.5	13.8	14.2	14.2
	12H	13.9	14.2	14.4	14.7	15.1	13.0	13.3	13.5	13.7	14.2	14.2
8H	4H	13.9	14.3	14.3	14.7	15.1	13.1	13.4	13.5	13.8	14.3	14.3
	6H	13.9	14.1	14.3	14.6	15.1	13.0	13.3	13.5	13.7	14.2	14.2
	8H	13.8	14.1	14.3	14.5	15.0	13.0	13.2	13.4	13.7	14.2	14.2
	12H	13.8	14.0	14.3	14.5	15.0	12.9	13.1	13.4	13.6	14.1	14.1
12H	4H	13.9	14.2	14.3	14.6	15.1	13.0	13.4	13.5	13.8	14.3	14.3
	6H	13.8	14.1	14.3	14.5	15.0	13.0	13.2	13.5	13.7	14.2	14.2
	8H	13.8	14.0	14.3	14.5	15.0	12.9	13.1	13.4	13.6	14.1	14.1
Variations with the observer position at spacing:												
S =		1.0H	3.6 / -8.7					3.8 / -9.6				
		1.5H	6.3 / -9.7					6.2 / -10.3				
		2.0H	8.3 / -10.3					8.2 / -10.6				