

Last information update: April 2025

**Product configuration: PY95.S2**

PY95.S2: Luminaire L=880 - DALI-2 Sensor - Very Wide Flood (Down) optic - GL - 54.9W 8308.5lm - 2700K - Black/White/White Transparent

**Product code**

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**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 2700K CRI80 direct emission monochrome LED lamp (Mid-Power). 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**

Black/White/White Transparent (S2)

**Weight (Kg)**

2.73

**Wiring**

Power supply via DALI bus (consumption 9 mA).

**Notes**

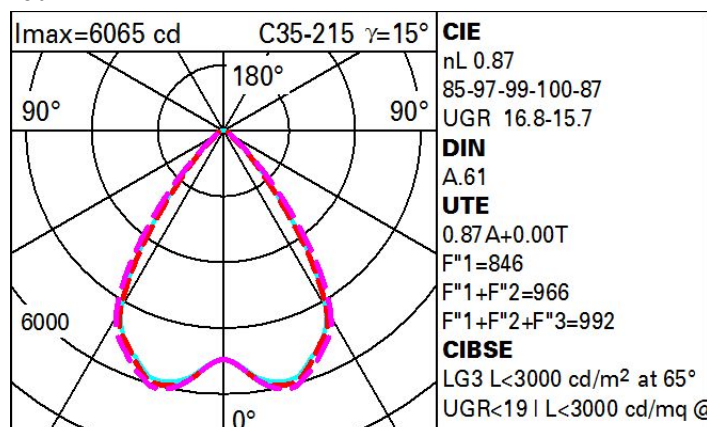
DALI EN 62386-101 ed.2 (DALI-2) The sensor used is DALI-2 certified. DALI parts 101,103,301,303,304

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

Complies with EN60598-1 and pertinent regulations

**Technical data**

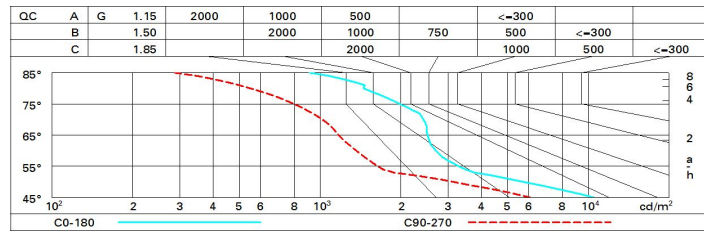
Im system:	8309	Lamp code:	LED
W system:	50	Number of lamps for optical assembly:	1
Im source:	9550	ZVEI Code:	LED
W source:	50	Number of optical assemblies:	1
Luminous efficiency (Im/W, real value):	166.2	Power factor:	See installation instructions
Im in emergency mode:	-	Inrush current:	10 A / - µs
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):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	2700	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 9550 lm bare lamp luminous flux)																	
Reflect.:																	
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
walls		0.50	0.30	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
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed						viewed									
x y		crosswise						endwise									
2H	2H	16.7	17.4	17.0	17.7	17.9	15.8	16.5	16.1	16.8	17.0						
	3H	16.8	17.5	17.1	17.7	18.0	15.7	16.4	16.0	16.7	16.9						
	4H	16.8	17.5	17.2	17.8	18.1	15.6	16.3	16.0	16.6	16.9						
	6H	16.8	17.4	17.2	17.8	18.1	15.6	16.2	15.9	16.5	16.8						
	8H	16.8	17.4	17.2	17.7	18.1	15.6	16.1	15.9	16.5	16.8						
12H	16.8	17.4	17.2	17.7	18.1	15.5	16.1	15.9	16.4	16.8							
4H	2H	16.5	17.2	16.9	17.5	17.8	15.8	16.5	16.2	16.8	17.1						
	3H	16.7	17.2	17.1	17.6	17.9	15.8	16.3	16.2	16.7	17.0						
	4H	16.8	17.2	17.2	17.6	18.0	15.8	16.3	16.2	16.6	17.0						
	6H	16.8	17.2	17.3	17.6	18.1	15.7	16.2	16.2	16.6	17.0						
	8H	16.8	17.2	17.3	17.6	18.1	15.7	16.1	16.2	16.5	17.0						
12H	16.8	17.2	17.3	17.6	18.1	15.7	16.0	16.1	16.5	16.9							
8H	4H	16.7	17.1	17.1	17.5	17.9	15.8	16.2	16.2	16.6	17.0						
	6H	16.8	17.1	17.2	17.5	18.0	15.8	16.1	16.3	16.6	17.0						
	8H	16.8	17.1	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0						
	12H	16.8	17.0	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0						
12H	4H	16.6	17.0	17.1	17.4	17.9	15.8	16.1	16.2	16.5	17.0						
	6H	16.7	17.0	17.2	17.5	18.0	15.8	16.0	16.3	16.5	17.0						
	8H	16.8	17.0	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0						
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									