iGuzzini

Last information update: April 2025

Product configuration: PH86

PH86: Frame adjustable 2 x 5-cell recessed luminaire - LED - Neutral White - DALI dimmable power supply



Product code

PH86: Frame adjustable 2 x 5-cell recessed luminaire - LED - Neutral White - DALI dimmable power supply

Technical description

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The two linear elements with 5 lighting cells, in die-cast aluminium and independently adjustable, can be used to direct the emission with a tilting adjustability of +/- 20°. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and controlled glare emission. Supplied with DALI dimmable power supply connected to the luminaire.

Weight (Kg)

0.93

Installation

recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal)

87	
	126
106	
	<u>_1</u> 7
	98X295

Colour White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome (E7)*

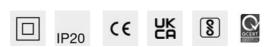
* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

on power supply box: screw connections.



Technical data 1542 Im system: CRI (minimum): 90 W system: 16.5 Colour temperature [K]: 4000 Im source: 940 MacAdam Step: 3 W source: 7 Life Time LED 1: > 50,000h - L90 - B10 (Ta 25°C) Luminous efficiency (Im/W, 93.4 Lamp code: LED real value): Number of lamps for optical 1 Im in emergency mode: assembly: Total light flux at or above ZVEI Code: LED 0 an angle of 90° [Lm]: Number of optical 2 Light Output Ratio (L.O.R.) 82 assemblies: Control: [%]: DALI-2 Beam angle [°]: 22°

Polar

Imax=3329 cd	CIE	Lux			
90° 180° 90°	nL 0.82 100-100-100-100-82	h	d	Em	Emax
	UGR 10.4-10.4 DIN A.61 UTE	2	0.8	658	832
X X X	0.82A+0.00T F"1=999	4	1.6	165	208
3000	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	2.3	73	92
α=22°	LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @	9 _{65°} 8	3.1	41	52

Complies with EN60598-1 and pertinent regulations

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	68	66	70	67	67	64	78
1.0	77	74	72	70	73	71	71	68	83
1.5	81	79	77	75	78	76	75	73	89
2.0	84	82	80	79	81	79	78	76	93
2.5	85	84	83	82	83	82	81	79	96
3.0	86	85	84	84	84	83	82	80	98
4.0	87	86	86	85	85	85	83	81	99
5.0	88	87	87	87	86	85	84	82	100

Luminance curve limit

QC	Α	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<=300
85°										8
75°						$ \langle \langle \langle \rangle \rangle$				4
65°										2
55°		-2							\mathbf{k}	a h
45° 1	0 ²		2	3 4	5 6 8	0 ³	2 3	4 5 6	8 10 ⁴	cd/m ²
	C0-180) -					C90-270 -			

UGR diagram

: / I. ddim y 2H 3H 4H 6H 8H 12H 2H 3H 4H 6H	0.70 0.50 0.20 11.3 11.2 11.1 11.0 11.0 10.9 11.1 10.9 10.8	13.4 12.8 12.5 12.2 12.1 12.1 12.1 12.5 12.1	0.50 0.20 viewed crosswise 11.7 11.6 11.5 11.4 11.4 11.4 11.5 11.4	13.7 13.1 12.8 12.5 12.5 12.4	0.30 0.30 0.20 14.0 13.4 13.1 12.9 12.8 12.8 12.8	0.70 0.50 0.20 11.3 11.2 11.1 11.0 11.0 10.9	0.70 0.30 0.20 13.4 12.8 12.5 12.2 12.1 12.1 12.5	0.50 0.20 viewed endwise 11.7 11.6 11.5 11.4 11.4 11.4 11.4	13.7 13.1 12.8 12.5 12.5 12.4	0.30 0.30 0.20 14.0 13.4 13.1 12.9 12.8
dim y 2H 3H 4H 6H 8H 12H 2H 3H 4H	0.20 11.3 11.2 11.1 11.0 11.0 10.9 11.1 10.9	0.20 13.4 12.8 12.5 12.2 12.1 12.1 12.5 12.1	0.20 viewed crosswise 11.7 11.6 11.5 11.4 11.4 11.4 11.5	0.20 e 13.7 13.1 12.8 12.5 12.5 12.4 12.8	0.20 14.0 13.4 13.1 12.9 12.8 12.8 13.1	0.20 11.3 11.2 11.1 11.0 11.0 10.9	0.20 13.4 12.8 12.5 12.2 12.1 12.1	0.20 viewed endwise 11.7 11.6 11.5 11.4 11.4 11.4	0.20 13.7 13.1 12.8 12.5 12.5 12.4	0.20 14.0 13.4 13.1 12.9 12.8
dim y 2H 3H 4H 6H 8H 12H 2H 3H 4H	11.3 11.2 11.1 11.0 11.0 10.9 11.1 10.9	13.4 12.8 12.5 12.2 12.1 12.1 12.5 12.5 12.1	viewed crosswise 11.7 11.6 11.5 11.4 11.4 11.4 11.4 11.5	e 13.7 13.1 12.8 12.5 12.5 12.4 12.8	14.0 13.4 13.1 12.9 12.8 12.8 13.1	11.3 11.2 11.1 11.0 11.0 10.9	13.4 12.8 12.5 12.2 12.1 12.1	viewed endwise 11.7 11.6 11.5 11.4 11.4 11.4	13.7 13.1 12.8 12.5 12.5 12.5	14.0 13.4 13.1 12.9 12.8
У 2H 3H 6H 8H 12H 2H 3H 4H	11.2 11.1 11.0 11.0 10.9 11.1 10.9	13.4 12.8 12.5 12.2 12.1 12.1 12.1 12.5 12.1	11.7 11.6 11.5 11.4 11.4 11.4 11.4 11.5	13.7 13.1 12.8 12.5 12.5 12.4	13.4 13.1 12.9 12.8 12.8 13.1	11.2 11.1 11.0 11.0 10.9	13.4 12.8 12.5 12.2 12.1 12.1	endwise 11.7 11.6 11.5 11.4 11.4 11.4	13.7 13.1 12.8 12.5 12.5 12.4	13.4 13.1 12.9 12.8
2H 3H 4H 6H 8H 12H 2H 3H 4H	11.2 11.1 11.0 11.0 10.9 11.1 10.9	13.4 12.8 12.5 12.2 12.1 12.1 12.1 12.5 12.1	11.7 11.6 11.5 11.4 11.4 11.4 11.4	13.7 13.1 12.8 12.5 12.5 12.4	13.4 13.1 12.9 12.8 12.8 13.1	11.2 11.1 11.0 11.0 10.9	13.4 12.8 12.5 12.2 12.1 12.1	11.7 11.6 11.5 11.4 11.4 11.4	13.7 13.1 12.8 12.5 12.5 12.4	13.4 13.1 12.9 12.8
3H 4H 6H 8H 12H 2H 3H 4H	11.2 11.1 11.0 11.0 10.9 11.1 10.9	12.8 12.5 12.2 12.1 12.1 12.1 12.5 12.1	11.0 11.5 11.4 11.4 11.4 11.4	13.1 12.8 12.5 12.5 12.4 12.8	13.4 13.1 12.9 12.8 12.8 13.1	11.2 11.1 11.0 11.0 10.9	12.8 12.5 12.2 12.1 12.1	11.6 11.5 11.4 11.4 11.4	13.1 12.8 12.5 12.5 12.4	13. 13. 12.9 12.0
4H 6H 8H 12H 2H 3H 4H	11.1 11.0 11.0 10.9 11.1 10.9	12.5 12.2 12.1 12.1 12.1 12.5 12.1	11.5 11.4 11.4 11.4 11.4	12.8 12.5 12.5 12.4 12.8	13.1 12.9 12.8 12.8 12.8	11.1 11.0 11.0 10.9	12.5 12.2 12.1 12.1	11.5 11.4 11.4 11.4	12.8 12.5 12.5 12.4	13. 12.9 12.8
6H 8H 12H 2H 3H 4H	11.0 11.0 10.9 11.1 10.9	12.2 12.1 12.1 12.1 12.5 12.1	11.4 11.4 11.4 11.5	12.5 12.5 12.4 12.8	12.9 12.8 12.8 12.8	11.0 11.0 10.9	12.2 12.1 12.1	11.4 11.4 11.4	12.5 12.5 12.4	12.9 12.8
8H 12H 2H 3H 4H	11.0 10.9 11.1 10.9	12.1 12.1 12.5 12.1	11.4 11.4 11.5	12.5 12.4 12.8	12.8 12.8 13.1	11.0 10.9	12.1 12.1	11.4 11.4	12.5 12.4	12.8
12H 2H 3H 4H	10.9 11.1 10.9	12.1 12.5 12.1	11.4 11.5	12.4 12.8	12.8 13.1	10.9	12.1	11.4	12.4	
2H 3H 4H	11.1 10.9	12.5 12.1	11.5	12.8	13.1		1222	122/2010	20468	12.8
3H 4H	10.9	12.1				11.1	125	11 5	20040	
4H			11.4	10 4				11.0	12.8	13.
	10.8			12.4	12.8	10.9	12.1	11.4	12.4	12.0
6H		11.9	11.3	12.3	12.7	10.8	11.9	11.3	12.3	12.
211	10.5	12.1	11.0	12.6	13.0	10.5	12.1	11.0	12.6	13.0
8H	10.4	12.2	10.9	12.6	13.1	10.4	12.2	10.9	12.6	13.
12H	10.3	12.2	10.8	12.7	13.2	10.3	12.2	10.8	12.7	13.
4H	10.4	12.2	10.9	12.6	13.1	10.4	12.2	10.9	12.6	13.
6H	10.2	12.0	10.8	12.5	13.0	10.2	12.0	10.8	12.5	13.
8H	10.2	11.8	10.7	12.3	12.8	10.2	11.8	10.7	12.3	12.8
12H	10.4	11.3	10.9	11.8	12.4	10.4	11.3	10.9	11.8	12.
4H	10.3	12.2	10.8	12.7	13.2	10.3	12.2	10.8	12.7	13.3
6H	10.2	11.8	10.7	12.3	12.8	10.2	11.8	10.7	12.3	12.0
8H	10.4	11.3	10.9	11.8	12.4	10.4	11.3	10.9	11.8	12.4
ons wi	th the ot	oserver p	osition	at spacin	ig:	02				
1.0H		6.	8 / -28	.7	6.8 / -28.7					
1.5H		9.	6 / -30	.9	9.6 / -30.9					
111	6H 8H 12H 4H 6H 8H ns wi	6H 10.2 8H 10.2 12H 10.4 4H 10.3 6H 10.2 8H 10.4 ID 10.4 10 10.4 90 10.4 ID 10.4 ID 10.4 ID 10.4 ID 10.4	0H 10.2 12.0 8H 10.2 11.8 12H 10.4 11.3 4H 10.3 12.2 0H 10.2 11.8 8H 10.4 11.3 ns with the observer p 0.0H 6. .5H 9.	8H 10.2 12.0 10.8 8H 10.2 11.8 10.7 12H 10.4 11.3 10.9 4H 10.3 12.2 10.8 6H 10.2 11.8 10.7 8H 10.4 11.3 10.9 4H 10.3 12.2 10.8 6H 10.2 11.8 10.7 8H 10.4 11.3 10.9 ns with the observer position at 0.0H 6.8 / -28 .5H 9.6 / -30	0H 10.2 12.0 10.8 12.5 8H 10.2 11.8 10.7 12.3 12H 10.4 11.3 10.9 11.8 4H 10.3 12.2 10.8 12.7 0H 10.2 11.8 10.7 12.3 8H 10.4 11.3 10.9 11.8 9H 10.4 11.3 10.9 11.8 ns with the observer position at spacin 0.8 / -28.7 .5H 9.0 / -30.9 -30.9	8H 10.2 12.0 10.8 12.5 13.0 8H 10.2 11.8 10.7 12.3 12.8 12H 10.4 11.3 10.9 11.8 12.7 4H 10.3 12.2 10.8 12.7 13.2 6H 10.2 11.8 10.7 12.3 12.8 8H 10.4 11.3 10.9 11.8 12.4 4H 10.3 12.2 10.8 12.7 13.2 0H 10.2 11.8 10.7 12.3 12.8 8H 10.4 11.3 10.9 11.8 12.4 ns with the observer position at spacing: .0H 6.8 / -28.7 .5H 9.6 / -30.9 .430.9	6H 10.2 12.0 10.8 12.5 13.0 10.2 8H 10.2 11.8 10.7 12.3 12.8 10.2 12H 10.4 11.3 10.9 11.8 12.7 13.2 10.3 14H 10.3 12.2 10.8 12.7 13.2 10.3 0H 10.2 11.8 10.7 12.3 12.8 10.2 8H 10.4 11.3 10.9 11.8 12.7 13.2 10.3 0H 10.2 11.8 10.7 12.3 12.8 10.2 8H 10.4 11.3 10.9 11.8 12.4 10.4 ns with the observer position at spacing: .0H 6.8 -28.7 .5H 9.6 -30.9	6H 10.2 12.0 10.8 12.5 13.0 10.2 12.0 8H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 12H 10.4 11.3 10.9 11.8 12.7 13.2 10.3 12.2 4H 10.3 12.2 10.8 12.7 13.2 10.3 12.2 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 8H 10.4 11.3 10.9 11.8 12.4 10.4 11.3 ns with the observer position at spacing: .0H 6.8 -28.7 .5H 9.6	8H 10.2 12.0 10.8 12.5 13.0 10.2 12.0 10.8 8H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 10.7 12H 10.4 11.3 10.9 11.8 12.7 13.2 10.3 12.2 10.8 4H 10.3 12.2 10.8 12.7 13.2 10.3 12.2 10.8 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 10.7 8H 10.4 11.3 10.9 11.8 12.4 10.4 11.3 10.9 8H 10.4 11.3 10.9 11.8 12.4 10.4 11.3 10.9 ns with the observer position at spacing: 10.4 13.3 19.9 9.6 - 28.7 6.8 / -28 5H 9.6 / -30.9 9.6 / -30 9.6 / -30	0H 10.2 12.0 10.8 12.5 13.0 10.2 12.0 10.8 12.5 8H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 10.7 12.3 12H 10.4 11.3 10.9 11.8 12.7 13.2 10.3 12.2 10.8 12.7 0H 10.2 11.8 10.7 12.3 12.8 10.3 12.2 10.8 12.7 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 10.7 12.3 0H 10.2 11.8 10.7 12.3 12.8 10.2 11.8 10.7 12.3 8H 10.4 11.3 10.9 11.8 12.4 10.4 11.3 10.9 11.8 ns with the observer position at spacing: 10.4 6.8 / -28.7 6.8 / -28.7 .5H 9.6 / -30.9 9.6 / -30.9 9.6 / -30.9