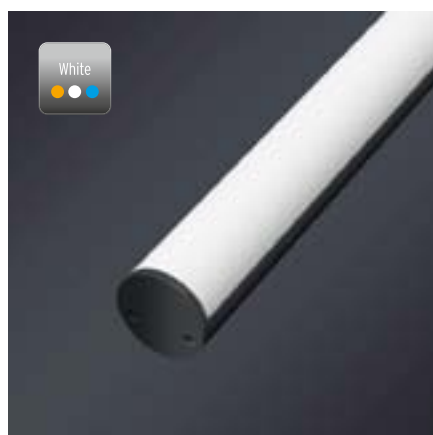


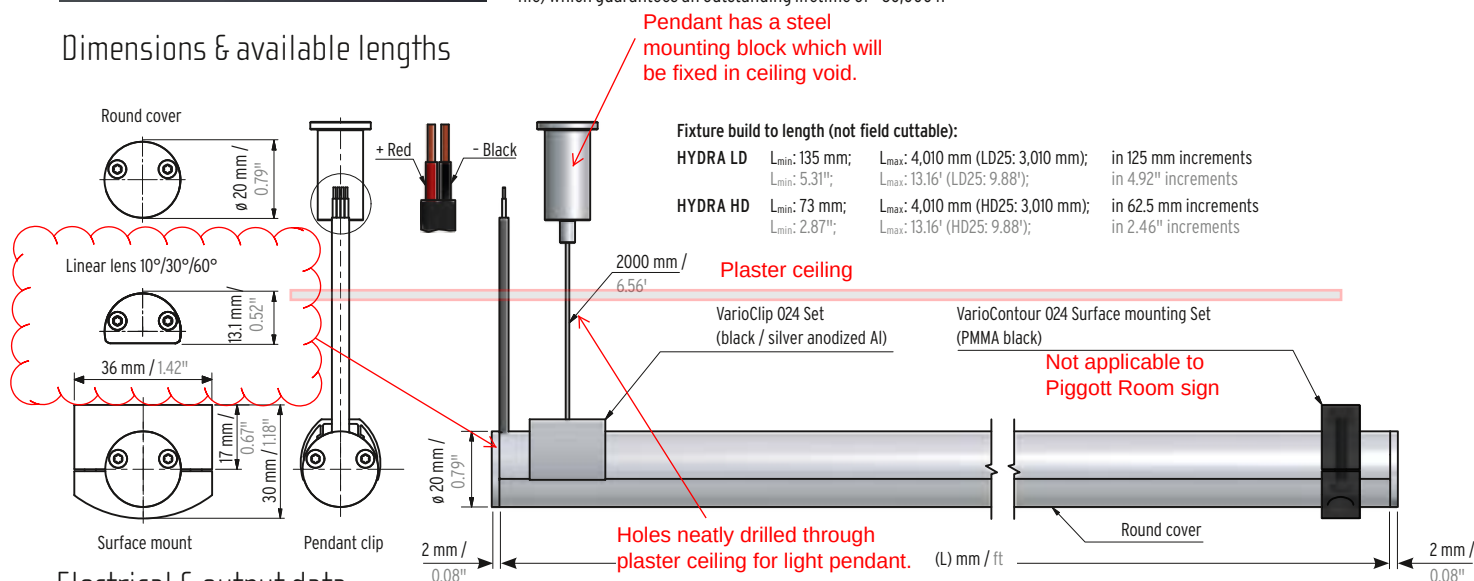
LYRA HYDRA White IP40^A



24 V linear LED luminaire in IP40 in a round, stylish aluminum profile with a diameter of only 20 mm (0.79"). Extruded and anodized aluminum housing profile and screwed aluminum end caps available in silver or black color. Can be surface-mounted or pendant and swiveled by almost 360°. Delivered with 2 m (6.56') open end black cable. Allows the use of 3 round covers in clear, diffuse and opal for soft light lines and 3 linear optics with 10°, 30° and 60° for precise light control. Light source assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board Technology. In combination with ceramic LED packages a thermal resistivity of 16.3 K/W is achieved for an optimal heat dissipation (junction to profile) which guarantees an outstanding lifetime of > 60,000 h

L80/B10. Embeds high quality Japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 95 and TM-30-15 up to $R_f = 91 / R_g = 100$ ensuring a remarkable light quality. Consistent light intensity all along the luminaire length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge $\pm 2,000$ V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher than 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

Dimensions & available lengths



Electrical & output data

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Temperature ^B	T _{Cmin} = -25°C / -13°F, T _{Cmax} = 85°C / 185°F
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 85°C / 185°F
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = 45°C / 113°F
CRI / R9	up to 95 / up to 65

Light fitting and pendant will be finished white RAL 9010.



Lifetime



LYRA HYDRA	indirect view (visible pixillation)			
	LD5	LD10	LD15	LD25
Power (W/m / W/ft) ^A	5 / 1.5	10 / 3.1	15 / 4.6	25 / 7.6
Efficacy (lm/W) ^A @ W850	124	125	133	130
max. length (m / ft)	4 / 13.1	4 / 13.1	4 / 13.1	3 / 9.8
Temperature T _C -point (T _{Cmax}) ^B	70°C / 158°F	70°C / 158°F	70°C / 158°F	70°C / 158°F

	direct view (less pixillation or dot free, check order code)			
	HD6	HD10	HD15	HD25
	6 / 1.8	10 / 3.1	15 / 4.6	25 / 7.6
	125	125	133	130
	4 / 13.1	4 / 13.1	4 / 13.1	3 / 9.8
	70°C / 158°F	70°C / 158°F	70°C / 158°F	75°C / 167°F

			LD5	LD10	LD15	LD25
			low output —————→ high output			
Color temperature			lumen/meter (lm/m) ^A lumen/feet (lm/ft) ^A @ 60° Lens ^C			
	W820	2,000 K	360 / 109	720 / 218	1,160 / 353	1,880 / 572
	W822	2,200 K	410 / 124	830 / 252	1,320 / 401	2,150 / 654
	W825	2,500 K	470 / 142	940 / 286	1,510 / 459	2,450 / 746
	W827 	2,700 K	420 / 127	1,000 / 304	1,600 / 487	2,600 / 791
	W830 	3,000 K	430 / 130	1,060 / 322	1,700 / 517	2,760 / 840
	W835 	3,500 K	440 / 133	1,120 / 340	1,780 / 542	2,900 / 883
	W840 	4,000 K	450 / 136	1,140 / 346	1,820 / 554	2,960 / 901
	W850	5,000 K	620 / 188	1,250 / 380	1,990 / 606	3,240 / 987

HD6	HD10	HD15	HD25
low output		→	high output
lumen/meter (lm/m) ^A lumen/feet (lm/ft) ^A @ 60° Lens ^C			
430 / 130	720 / 218	1,160 / 353	1,880 / 572
500 / 151	830 / 252	1,320 / 401	2,150 / 654
570 / 173	940 / 286	1,510 / 459	2,450 / 746
510 / 154	840 / 255	1,600 / 487	2,600 / 791
510 / 154	860 / 261	1,700 / 517	2,760 / 840
530 / 161	880 / 267	1,780 / 542	2,900 / 883
540 / 164	910 / 276	1,820 / 554	2,960 / 901
750 / 228	1,250 / 380	1,990 / 606	3,240 / 987

^A The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

^B The T_C-point should be measured in thermal equilibrium according to IEC EN 60598-1.

^C Sample values.

! Note: -40% luminous flux at opal and -25% with diffuse cover.

Order code

Your order code	LYRA HYDRA	---	W	---	---	---	---	IP40
Order code example	LYRA HYDRA	HD10	W9	27	1255	B	100	IP40

LED tape

HYDRA LD5	LD5
HYDRA LD10	LD10
HYDRA LD15	LD15
HYDRA LD25	LD25
HYDRA HD6	HD6
HYDRA HD10	HD10
HYDRA HD15	HD15
HYDRA HD25	HD25

Color rendering

> 80	8
> 90 (only LD5, HD6, HD10)	9

Color temperature

2,000 K	20
2,200 K	22
2,500 K	25
2,700 K	27
3,000 K	30
3,500 K	35
4,000 K	40
5,000 K	50

Length

HYDRA LD

L_{min}: 135 mm (5.31");
L_{max}: 4,010 mm (13.16"); LD25: 3,010 mm (9.88");
in 125 mm (4.92") increments

HYDRA HD

L_{min}: 73 mm (2.87");
L_{max}: 4,010 mm (13.16"); HD25: 3,010 mm (9.88");
in 62.5 mm (2.46") increments

Profile color

Silver	S
Black	B

Cover / Lens options

Opal round cover*	OR
Diffuse round cover	DR
Clear round cover	CR
Linear lens 10° diffuse	10D
Linear lens 30° diffuse	30D
Linear lens 60° diffuse	60D

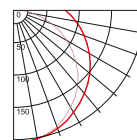
Ingress protection

IP40	IP40
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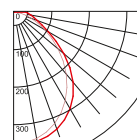
IP67 on request.

*Dot free

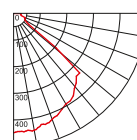
Opal cover, round
DIN 5040:A30



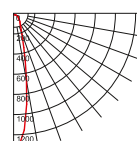
Diffuse cover, round
DIN 5040:A40



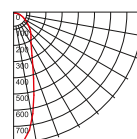
Clear cover, round
DIN 5040:A50



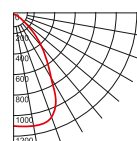
Linear lens, 10
DIN 5040:A60



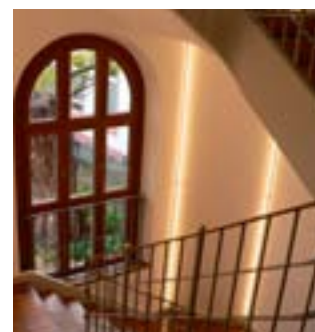
Linear lens, 30
DIN 5040:A60



Linear lens, 60
DIN 5040:A60



For more details regarding changes, min and max data sheet values and production tolerances please see specification catalogue 2016/2017.



Please choose your accessories

☒ Fixture comes with 2 m / 6.56' open end cable. Please choose from accessories for ceiling/wall or pendant mounting.

Pendant	Art.-#	
☐ VarioPendant 024 Set Silver	13000161	
☐ VarioPendant 024 Set Black	13000161-SCH	

One set per linear meter required but at least two sets per fixture.

Surface mounted	Art.-#	
☐ VarioClip 024 Silver	13000160	
☐ VarioClip 024 Black	13000160-SCH	
☐ VarioContour 024 Surface Mounting Set	13000162	

Recommended power supply	Art.-#	
☐ Power Supply Unit IP20	16000178	

Recommended control unit	Art.-#	
☐ Control System White/IQ-White	16000268-DT6	