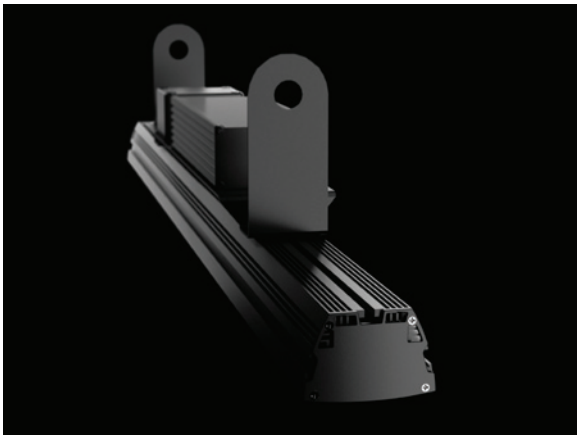
COOLON

LOW BAY INDUSTRIAL LED LUMINAIRE

Applications
· Low Bay
· Troffer Replacement



The Low Bay Industrial LED Luminaire is a long-life, powerful, and energy efficient alternative to fluorescent and some metal halide low bay light fixtures. It is designed for use in factories, warehouses, mines and other industrial environments.

This luminaire is produced in an easy-to-install, simple, compact and robust format that doesn't require special wiring or ballast. Designed with energy savings in mind, the luminaire also provides natural white light and high color rendering - all the traits necessary for good visibility. With no warm up time needed, facility managers can be assured of the comfort and safety of their tenants wherever these luminaires may be used.

Coolon's range of industrial LED lighting products come with 3 Years Manufacturer's Warranty.

Features and Benefits

· Cool Operating Surface Temperature
· Energy Efficient
· Environmentally Friendly, No Mercury
· Extra Long Lifespan (over 50,000 hrs)
· Flicker-free High Quality White Light
· High Colour Rendering
· Highly Reliable
· Instant Power ON to Full Brightness
· Low Susceptibilty to Vibration
· Maintenance Free
· Reduces Light Pollution
· Safe, Low Voltage Operation
· Made in Australia
· 3 Years Warranty

AUSTRALIAN MADE

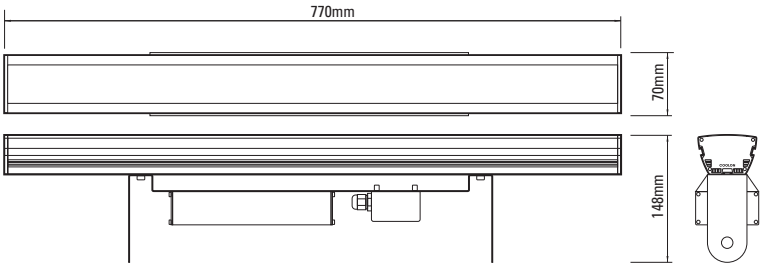
Technical Specifications

Part no: PRJ-LB3D-L30

Luminous Flux	2000 - 3800 lm
LED Efficacy	<90lm/w @ 25°C
Power Consumption (including power supply)	55W Max
Power Supply	24VDC 100W
Inrush Current	Cold Start 40A/230VAC
Current Consumption	2.1A Max
Max. Operating Voltage	26V
Min. Operating Voltage	23V
IP Rating	IP55
Power Factor	>0.95
Body	Aluminium Alloy
Weight	4.0kg

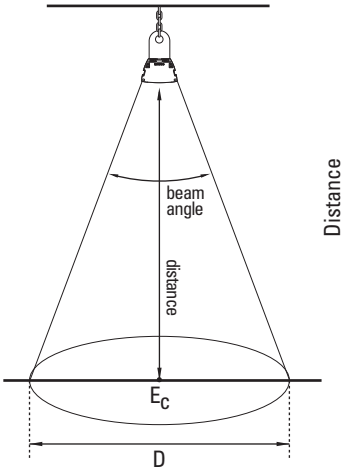
Available in black and natural anodised aluminium finishes.

Dimensions



Illuminance at Distance

Application: Low bay

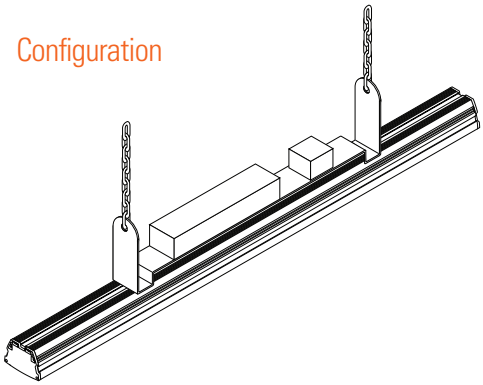


Ec = Central Illuminance (lux)

Distance	Ec at Centre (Lux)	D-Effected Diameter (m)
1.5m	560	5
2.0m	330	6
2.5m	210	8
3.0m	150	10
3.5m	110	12
4.0m	89	14

Ambient Temp. (°C)	25
Light Meter	Digitech QM1586
Error Margin	10%

Configuration



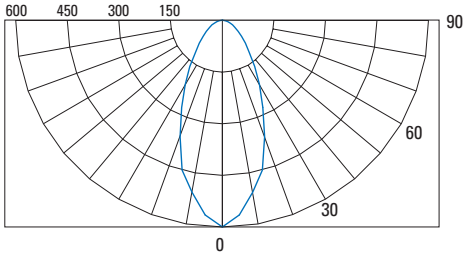
Other mounting and remote powered configurations are available.

Coefficients of Utilisation - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	61	61	61	61	60	60	60	60	57	57	57	55	55	55	53	53	53	51
1	57	56	54	52	56	54	53	52	52	51	50	50	49	48	49	48	47	46
2	54	50	48	45	52	49	47	45	48	46	44	46	44	43	45	43	42	41
3	50	46	43	40	49	45	42	40	44	41	39	42	40	38	41	39	38	37
4	47	42	38	36	46	41	38	35	40	37	35	39	37	35	38	36	34	33
5	44	39	35	32	43	38	35	32	37	34	32	36	34	31	35	33	31	30
6	41	36	32	29	40	35	32	29	34	31	29	34	31	29	33	31	29	28
7	39	33	30	27	38	33	29	27	32	29	27	31	29	27	31	28	26	26
8	37	31	27	25	36	31	27	25	30	27	25	30	27	25	29	26	24	24
9	35	29	26	23	34	29	25	23	28	25	23	28	25	23	27	25	23	22
10	33	27	24	22	32	27	24	22	27	24	22	26	23	21	26	23	21	21

Polar Distribution



Note: This data is listed for illustration only. It should not be used for lighting design purposes. To obtain the latest photometric files, please contact support@coolon.com.au
Light test was conducted in the dark room, under an ambient temperature of 25°C, with non-NATA calibrated light meter.
We are constantly working on improving our products therefore specifications may change in the future. Please contact our marketing department for the latest specifications.