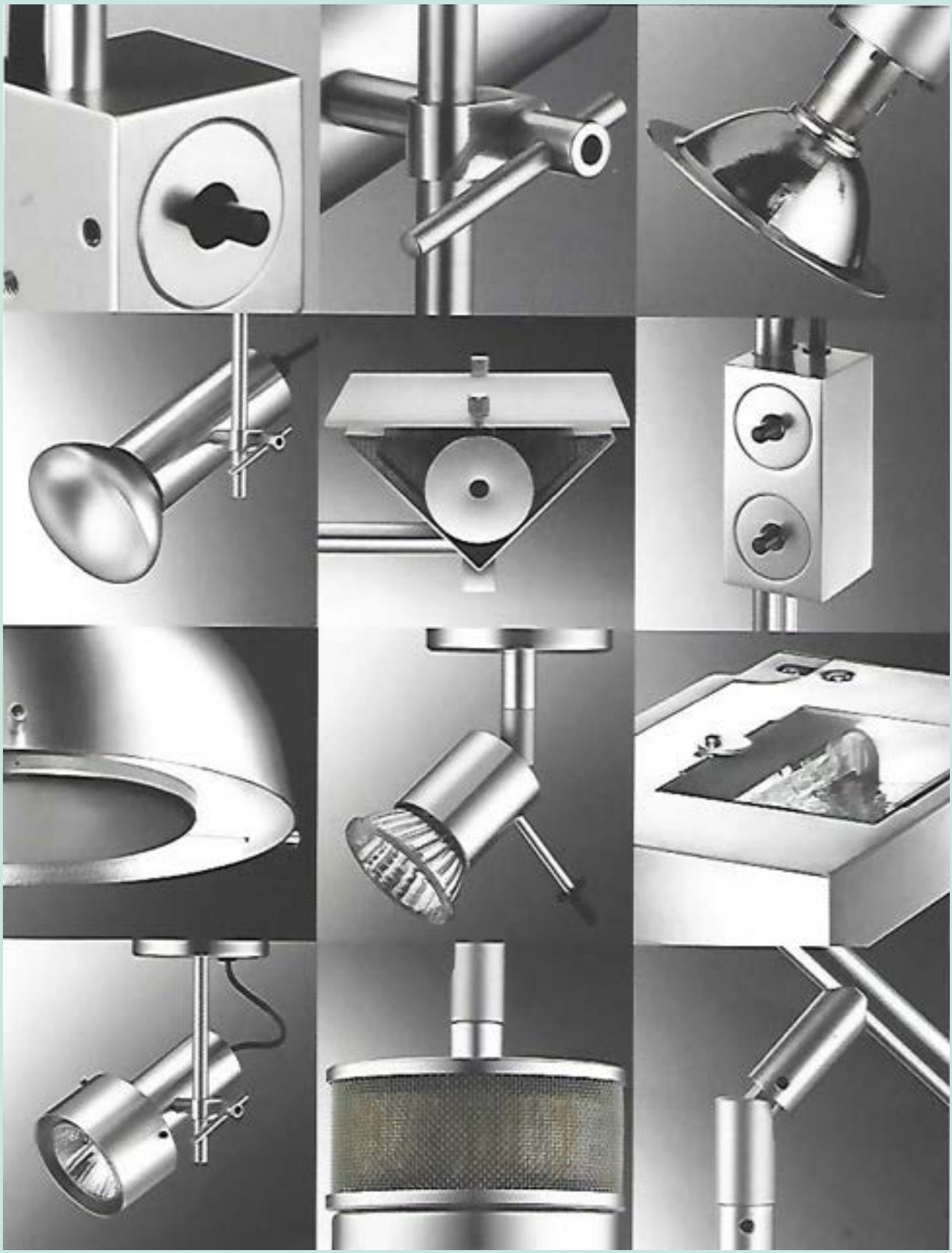
Allom Architectural Lighting

All information © Allom Architectural Lighting ltd. 2026 E&OE

The object is the object - Studio FPM 1973



God is in the Details - Mies Van de Rohe 1929

Companies we have worked with:































All information © Allom Architectural Lighting ltd. 2026 E&OE

Awards

Design awards, Italy, Germany, USA and UK
Product in Museum of Modern Art, New York, MOMA, since 1973





Logistics

Allom Architectural Lighting delivers all over Europe via London, Antwerp, Berlin, Milan, Paris, Warsaw, Zurich.
Gulf and Asia Pacific - Dubai, Doha, Mumbai, Seoul, Singapore, Sydney, and Tokyo.
USA - Baltimore, Cleveland, Houston, Long Beach.

Digital Infrastructure
Revit, Cobuilder, Solidworks, Adobe Creative Suite, Sage 50, Office 365.

Product Compliance

Guarantee - 10 years warranted and insured by Lloyd's of London
Heat transfer thermal dynamics convection cooling laminar flow
Allom Cool Head Technology ™
OPTIM·AL ™
385+ luminaires;
£5m product liability insurance for each major market;
a solid state company for electronics research and development.
Long product life, recyclable, biodegradable packaging Industrial, Retail, Residential.
TUV / CE/ Rohs / Recolight / UKCA ISO 9001 ISO 14001

All information © Allom Architectural Lighting ltd. 2026
Photography Direction Michael Lubbock
Design AL Brand Communications

Timing is everything

1961 Peter Nelson, Britains foremost aircraft modeller, starts AL, designs and makes Series S.
Prior to this he modelled 12 versions of the Constellation aeroplane working with Howard Hughes.

1967 Series A designed and made.'More with less'.
750watt Light Box for retail, and gallery lighting.

1972 AL is the first lighting business in Europe to give a 5 year guarantee.

1974 Manufacture in Japan, USA and Italy.
'The Object is the object', the purpose of our work is to make better products
and a better world.

1975 Cylinder Series UK and USA, 'The best for the most with the least'

1982 Series 20, mr16

1987 Series 30, B15d

1990 Series 900

1992 Allom picture lights

1995 Series 200, GU10

2004 Series 40, AR111, Allom Cool Head Technology ™

2008 LED modules, Newton Series, patented UK, EU, USA, Brunel, Red Dot.

2017 Greenlight for vertical farming

2021 Medic-AL, Dept. for Health, Covid solution.

2022 Electric Vehicle charging point for kerbside,
Skyraft patented UK, EU, USA & Skydisk.

2023 Energy saving patented projectors for track and ceiling plate.

2024 OPTIM-AL 10 years warranted and insured

All information © Allom Architectural Lighting ltd. 2026 E&OE

Philosophy

We work continuously for a better world with longer product life, 98% recycling and always following the maxim of R. Buckminster Fuller: more with less.

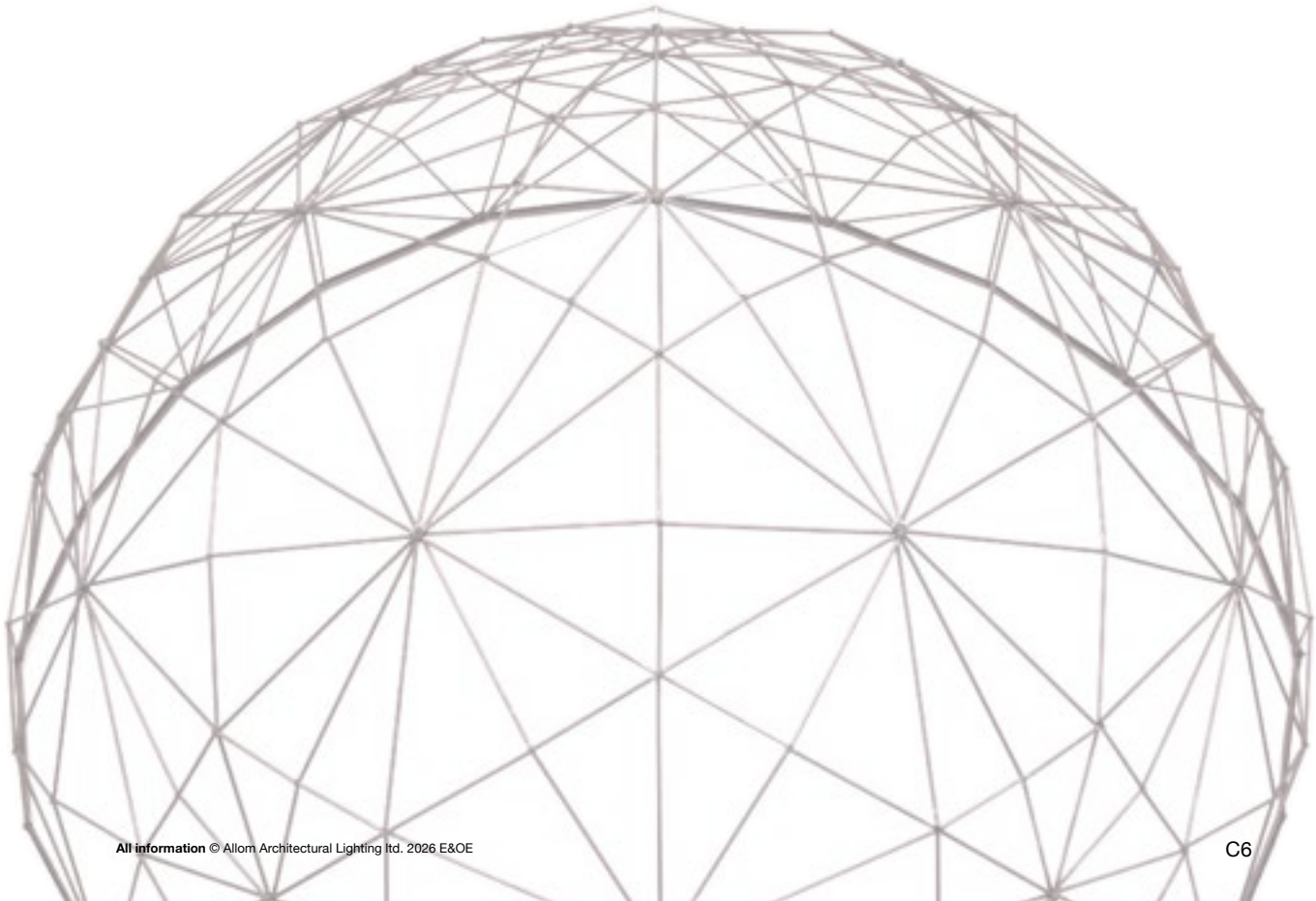
Wir arbeiten permanent an der verbesserung unserer produkte, um deren lebensdauer und 98% recyclebarkeit zu gewahrleisten. Unser motto ist die maxime von R. Buckminster Fuller: more with less.

Nous travaillons continuellement pour un monde meilleur avec une duree de vie de produit plus longue, 98% recyclable et en suivant toujours la maxime de R. Buckminster Fuller: more with less.

Lavoriamo in continuazione per creare un mondo, con prodotti di lunga durata e riciclabili al 98%. Tuttocio sempre seguendo il motto di R. Buckminster Fuller: more with less.

Nosotros trabajamos continuamente para crear un mundo mejor, con productos más duraderos, reciclables en un 98% y siempre siguiendo el lema de R.Buckminster Fuller: more with less.

Nós trabalhamos continuamente para criar um mundo melhor, com produtos de longa duração, 98% reciclando e sempre seguindo o lema de R. Buckminster Fuller: more with less.



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Influences

"We do these things not because they are easy but because they are hard"
President John F Kennedy

"God is in the details"
Mies van der Rohe

"One thing will be decisive the way we assert ourselves in the face of circumstance"
Mies van der Rohe

"We cross the river by feeling the stones"
Deng Xiaoping

“An engineer can be an artist, but an artist cannot be an engineer"
Frank Malina, Paris 1966

"The object is the object.
The purpose of our work is to make better products and a better world" - Studio FPM, Milan 1972

“More with less"
R. Buckminster Fuller

“The best for the most with the least"
Ray Eames

“Design is not about decoration; it is about creating a space that enhances life”
Charlotte Perriand

Pythagoras	Fibonacci	Galileo	Newton	Faraday	Swan	Tatlin
Malevitch	Rodchenko	Lissitsky	Aalto	van der Rohe	Takis	Malina
Gabo	Spencer	Castelli	Magistretti	Castiglione	Straub	Boothby
Kape	Mari	Sottsass	Stoppino	Von Bohr	Forcolini	Fassina
Danese	Wigglesworth	Zanotta	Kjaer	Rubin	Bellini	Mendini



All information © Allom Architectural Lighting ltd. 2026 E&OE

Products - All with 10 year guarantee

OPTIM•AL

GU10	1.9 watt 398 lumen non dim 36 degree 50,000 hours Energy label A
INTEGRATED	7 watt 770 lumens dim 3/4K switchable, CRI90, IP65 fire rated 90mins 38 degree Energy label E
CIRCULAR	Bulkhead with only 68mm projection 12 watts,1440 lumens, 3/4/6.5K switchable, IP65 on-off, micro-sensor, EM, 3 year 2x batteries, 3 hours Li-ion. Energy Label E Bulkhead with 78mm projection to take a 20mm conduit tube 12 watts, 1440 lumens, 3/4/6.5K switchable, IP65 on-off, micro-sensor, EM, 3 year 2x batteries, 3 hours Li-ion for 20% output. Energy Label E
SKYDISK	Circular Highbay, 298mm dia 145 watt 29725 lumen IP65, 60,000 hours service life, 3 metre chainset and 3 metre power cable 4/5/6.6K switchable, Beam 55 or 85 degrees EM version as above but with 3 year, 3 hour Li-Ion battery for 10%. Energy label B
SKYRAFT	Linear Highbay, Made in Aluminium. Energy saving, COOL BRIDGE, IP65. Optional EM version at 20% performance for 3 hours with 3 Li-ION batteries with 3 year battery life. 3.5 metre chains and 3.5 metre power feeds as required 10 year guarantee, 90,000 Service life 4/6K switchable Energy label D
DREADNOUGHT	Bulkhead Series, Diecast Stainless steel body, 20/30/50 watts, 3000, 5000, 8000 lumen 3/4/5/6K switchable, M/S, Fire rated 90 minutes EM version available 20% for 3 hours and 3 year life Energy label C and E
PROJECTOR	Fixed Beam Track and ceiling plate. The overall wattage for major retail stores is 15watts. 2400lm, 160lm/watt Energy label C
NEWTON	A series of 17 task lights at 8 watts and 1280 lumens, the best in class, with a universal dimmable driver at 97v-277v Energy label C
EVCP	Rapid Electrical Vehicle Charging Point

All information © Allom Architectural Lighting ltd. 2026 E&OE

OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPGU10A3983N36UKEU



OPTIM·AL GU10

Longlife/Glass

Certifications

UKCA CE RoHS SELV
Recolight
ISO 9001 ISO 14001
Trademark
OPTIM·AL
Energy Label **A**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Lumens 398

Watts 1.9

Lumens/Watt 210

CCT 3000k

CRI 80

Beam angle 36 degrees

Types Non Dim

Dimensions Dia. 50mm, Height 55.5mm

Driver Constant current

Service life 50,000 Hours rating

All information © Allom Architectural Lighting ltd. 2026 E&OE

OPTIM·AL



INTEGRATED DOWNLIGHT

OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPINTE600346D900365FR90UKEU



INTEGRATED

Fire rated integrated downlight

Certifications

CE RoHS SELV,
UKCA, Recolight,
VDE, TUV
ISO 9001, ISO 14001
IP65
Trademark
OPTIM·AL
Energy Label **E**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Fire Rated 90 minutes

Material Bezel RAL 9003 white or 9010

Watts 7

Lumens/watt 770

Watts/Voltage 7, 240v

CCT 3/4/k switchable

CRI 90

Beam angle 38 degrees

Types external plug & play driver

Dimensions Dia. 88mm, cut out 75mm dia

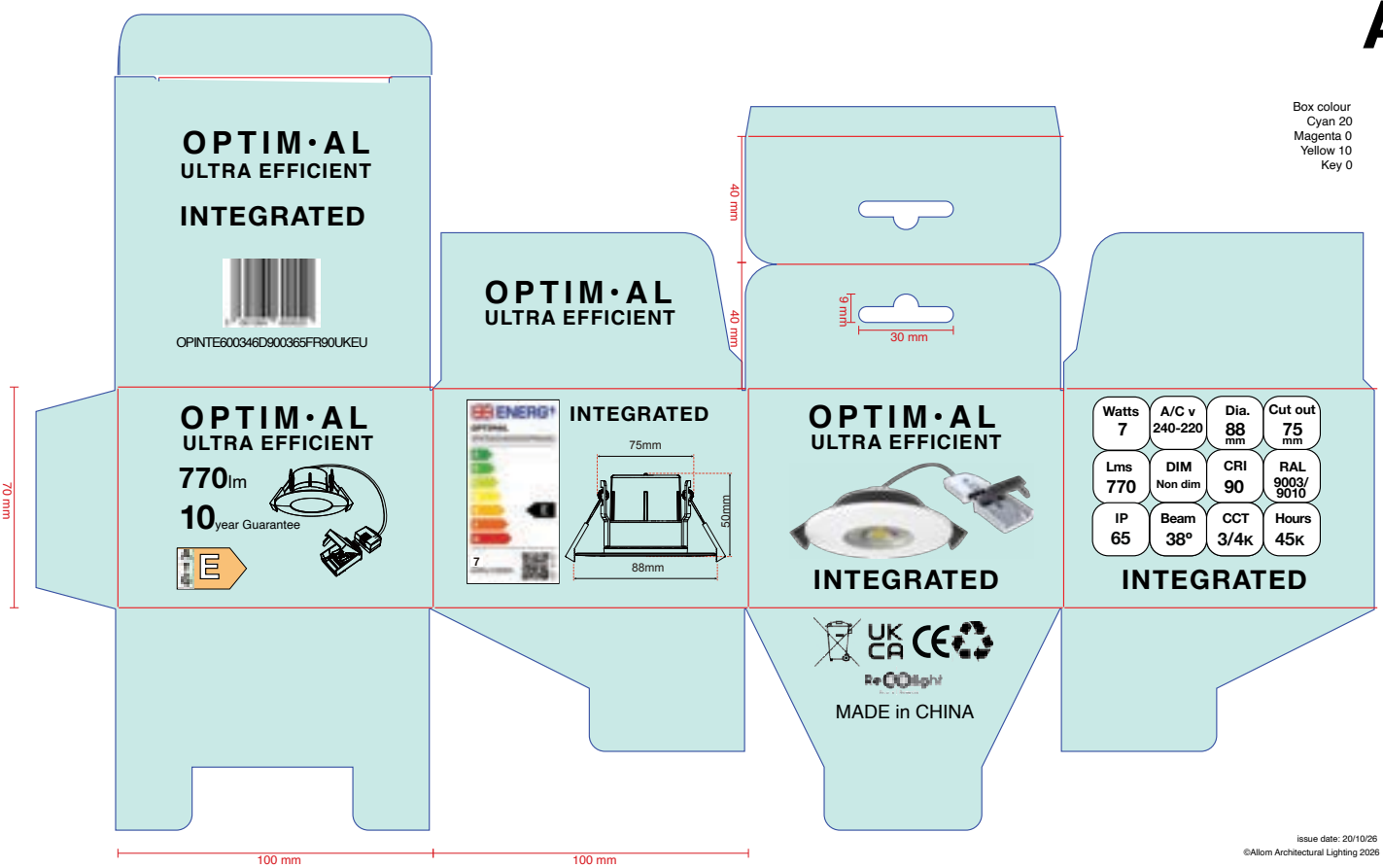
Service life 45000 Hours rating

All information © Allom Architectural Lighting ltd. 2026 E&OE

OPTIM·AL



AL



Box colour
Cyan 20
Magenta 0
Yellow 10
Key 0

issue date: 20/10/26

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OPTIM·AL



INTEGRATED DOWNLIGHT

Allom Architectural Lighting Ltd Trading address: Unit 319 The Plaza Building 535 Kings Road, London SW10 0SZ
Tel: 0044(0)207 351 2040 E.Mail: info@allomarchitecturallighting.com www.allomarchitecturallighting.com



OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPCIRCE14403465N900354UKEU
OPCIRCE14403465N901054UKEU
OPCIRCE14403465N900354MSUKEU
OPCIRCE14403465N901054MSUKEU
OPCIRCE14403465N90039054EMUKEU
OPCIRCE14403465N90109054EMUKEU
OPCIRCE14403465N90039054EMMSUKEU
OPCIRCE14403465N90109054EMMSUKEU

CIRCULAR BULKHEAD

Fire Retardant Polycarbonate

Uses

General lighting, ceiling or wall, stairs and communal areas

Certifications

TUV CE Rohs
Recolight
IP65
Trademark
OPTIM·AL
Design copyright
Studio FPM
Energy Label **E**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Fire Rated 90 minutes

Material RAL 9003 White or RAL 9010 Warm White

Lumens 1440

Watts 12 Watts, Non DIM

Lumens/watt 120 lumens at 12 watts

CCT 3/4/6.5k switchable

CRI 80

Driver PF95

Dimensions 315mm dia, 68mm projection

Service life 50000 hours /10 years, 2x Li-Ion batteries at 3.2V and 150mAh, total 6.4V and 300mAh, 3 years and 3 hours

All information © Allom Architectural Lighting ltd. 2026 E&OE



OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPCIRCCONE14403465N900365UKEU
OPCIRCCONE14403465N900365MSUKEU
OPCIRCCONE14403465N900365EMUKEU
OPCIRCCONE14403465N900365EMMSUKEU

CIRCULAR BULKHEAD

Fire Retardant Polycarbonate

Uses

General lighting, ceiling or wall, stairs and communal areas

Certifications

TUV CE Rohs
Recolight
IP65
Trademark
OPTIM·AL
Design copyright
Studio FPM
Energy Label **E**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Fire Rated 90 minutes

Material RAL 9003 White or RAL 9010 Warm White

Lumens 1440

Watts 12 Watts, Non DIM

Lumens/watt 120 lumens at 12 watts

CCT 3/4/6.5k switchable

CRI 80

Driver PF95

Dimensions 315mm dia, 78mm projection to take a 20mm conduit tube

Service life 50000 hours /10 years, 2x Li-Ion batteries at 3.2V and 150mAh, total 6.4V and 300mAh, 3 years and 3 hours

All information © Allom Architectural Lighting ltd. 2026 E&OE



OPTIM•AL

10 Year

Guarantee.

Energy

Product Code

OPDISKB29725456.565UKEU
OPDISKB29725456.565EMUKEU
OPDISKB20500456.565UKEU
OPDISKB20500456.565EMUKEU
OPDISKB15375456.565UKEU
OPDISKB15375456.565EMUKEU

SkyDisc

Top Spec Circular Highbay Series with 3 lumen outputs

Uses

Industrial,
Warehouse
Rail

Certifications

TUV CE RoHS, SELV
Recolight UKCA
IP65
Trademark
OPTIM·AL
Design copyright
Studio FPM
Energy Label **B**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material High pressure die cast Aluminum body, RAL 9004

Lumens 29725, 20500, 15375, Lumileds 2835

Watts 75, 100, 145

CCT 4/5/6.5k Switchable,

CRI 80

Beam 55 or 85 degrees

Driver 1x Lifud, 200watt for 145, 100 or 75 watts

Dimensions 298mm dia, weight 4 or 6 kg

Types On-off, MS, 3 metre power feeds and 3 metre chainsets
EM version with 10% output on 3 or 2 Li-Ion batteries, 3 hours and 3 years life, smart controls on application, Bluetooth, Dali, ZigBee

Service life 60,000 hours

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving
SkyRaft

OPTIM•AL

10 Year
Guarantee

A G D
Energy

Product Code

OPRAFTC27700456DMSUKEU
OPRAFTC27700456DMSEMUKEU
OPRAFTC20775456DMSUKEU
OPRAFTC20775456DMSEMUKEU
OPRAFTC13850456DMSUKEU
OPRAFTC13850456DMSEMUKEU



SkyRaft

Top specification Highbay with COOL BRIDGE©

Uses

Data Centres,
Battery factories
Distribution centres
Industrial Depots

Certifications

VDE, TUV, UKCA, CE, Rohs, SELV, Recolight, UL, CUL
IP54, IK08
Patented: DE/FR/USA/UK
Trademark **OPTIM•AL**
Design copyright Studio FPM
Energy Label **D**

Specifications

Flicker free; 10 years, warranted and insured Lloyd's of London

COOL BRIDGE© Temperature 99-5F (37-5C)

Material Aluminium/Steel RAL 9003 white

Lumens/watt 135, for 23625 total lumens under run for Long Life

Watts/Voltage 175w, 97-277v

CCT 4/6K Switchable

CRI 80

Beam angle 120 degrees

Types On-off, MS, dim and/or EM Li-Ion 3 x 3 hour or 2 x 3 hour at 20%
Batteries 3 year life, **Casambi©** controlled, PIR, and dim
EM version 10 x 21700 Li-Ion top spec long life batteries

Drivers 1 x isolated Inventronic at 200w

Dimensions 800 x 400 x 180mm

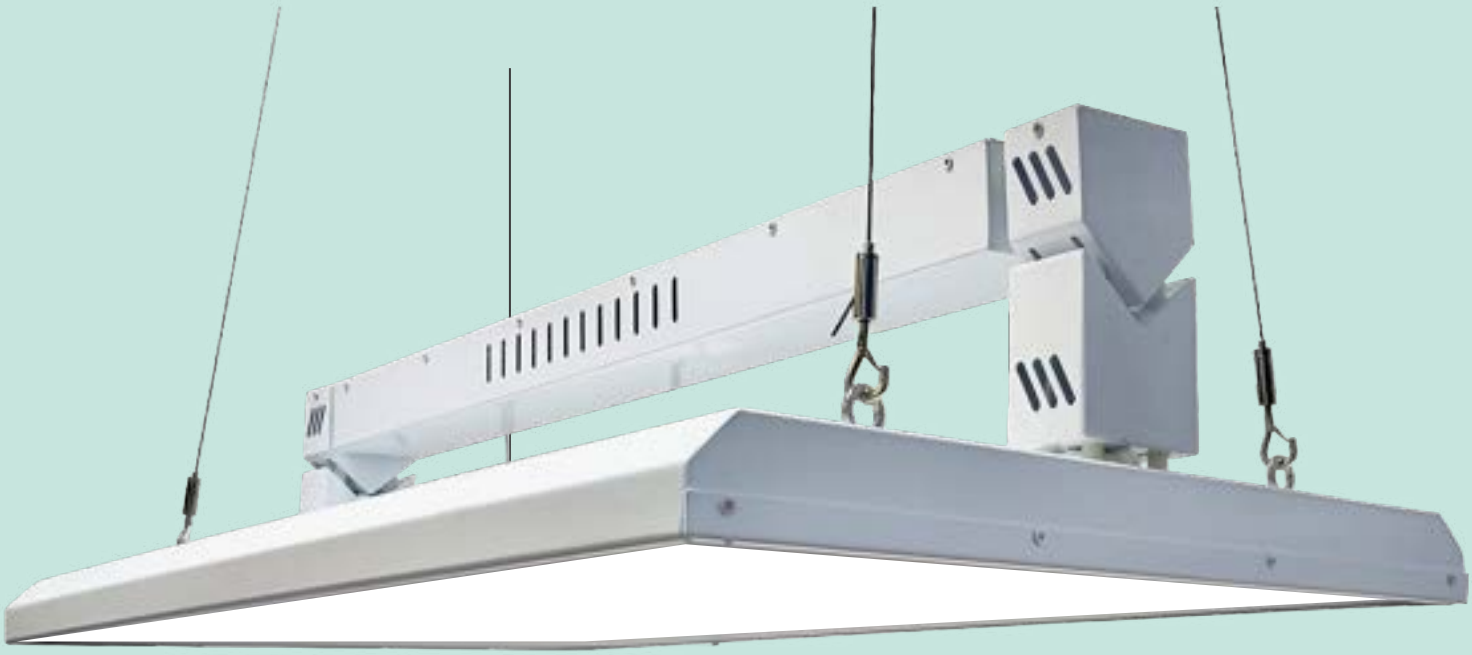
Weight 6-8kg, or 14-96 lbs and EM at 8-8kg or 19-36lbs

Service life 90,000 hours L70

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

SkyRaft



Data Centres

Battery Factories

Distribution Centres

Industrial Depots

Patented DE/FR/USA/UK

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

SkyRaft



10 year guarantee

Certificated & insured by Lloyds of London

TUV, VDE, CE, Nemko, UKCA, UL, CUL

23625 Lumens

175 Watts

4000 or 6000K

90,000 hour rating

Beam Angle 120º

800 x 400 x 180mm

31 x 15.75 x 70.8 inches

Standard version 6.30 kilos

Standard version 14 lbs

Emergency version 8.30 kilos

Emergency version 18.25 lbs

Patented DE/FR/USA/UK

Energy Label **D**

All information © Allom Architectural Lighting ltd. 2025 E&OE

Energy Saving
SkyRaft

Allom Cool Head technology ™

Allom Cool Head Technology ™ patented in UK, France, Germany and USA.

Bridge temperature is 37-5C, allowing us to guarantee and insure the driver for ten years and the Li-ion batteries in the emergency version for three years.



All information © Allom Architectural Lightin

Energy Saving
SkyRaft IES Data

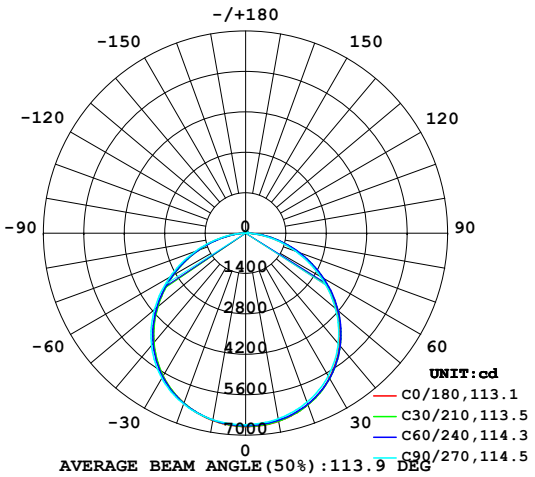
EVERFINE 远方

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

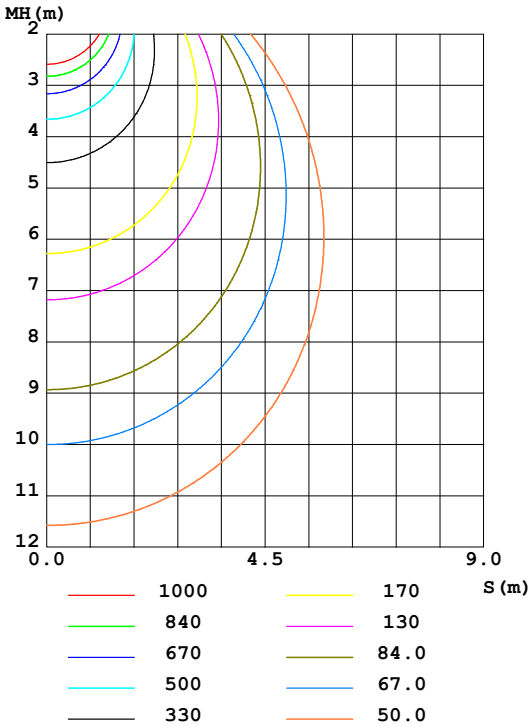
DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.25 lm/W			
MODEL	LSLH-175W	Imax(cd)	6699	S/MH(C0/180)	1.27
NOMINAL POWER(W)	175	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22214	η UP,DN(C0-180)	0.7,47.6
NOMINAL FLUX(lm)	22214.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,51.1
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):113.9 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6613	6592	6525	6393	6586	6573	6561	6622	0- 10	630.1	630.1	3.2,3.2
20	6321	6312	6228	5981	6265	6265	6294	6445	10- 20	1816	2447	12.4,12.4
30	5803	5818	5721	5352	5720	5731	5804	6052	20- 30	2780	5227	26.5,26.5
40	5054	5098	4992	4514	4950	4965	5073	5420	30- 40	3379	8605	43.7,43.7
50	4108	4175	4063	3515	3989	3995	4123	4559	40- 50	3513	12118	61.5,61.5
60	3027	3107	2990	2421	2906	2890	3020	3518	50- 60	3160	15278	77.5,77.5
70	1898	1977	1861	1328	1788	1746	1858	2378	60- 70	2394	17673	89.6,89.6
80	821.2	893.5	791.0	347.1	733.7	676.3	763.1	1248	70- 80	1382	19055	96.7,96.7
90	19.09	32.21	19.20	21.87	20.17	20.48	19.97	247.7	80- 90	389.2	19444	98.6,98.6
100	24.51	23.69	24.47	28.43	26.37	26.19	24.90	22.66	90-100	31.69	19476	98.8,98.8
110	33.12	31.66	32.44	36.75	34.92	34.15	32.47	30.10	100-110	30.52	19506	98.9,98.9
120	43.49	41.33	41.60	46.73	44.57	43.65	41.06	39.15	110-120	37.79	19544	99.1,99.1
130	51.11	48.47	47.88	53.81	51.19	49.63	46.23	45.12	120-130	41.34	19585	99.3,99.3
140	56.57	53.93	52.67	57.41	56.37	54.00	50.85	50.44	130-140	39.98	19625	99.6,99.6
150	61.16	59.60	57.63	60.07	61.05	56.90	55.79	56.02	140-150	35.22	19661	99.7,99.7
160	66.64	65.97	62.44	65.66	66.80	61.91	61.29	62.44	150-160	28.19	19689	99.9,99.9
170	71.43	69.42	65.20	68.72	73.80	67.81	65.23	67.64	160-170	18.83	19708	100,100
180	66.11	62.76	59.81	61.79	66.15	62.75	59.90	61.79	170-180	6.442	19714	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

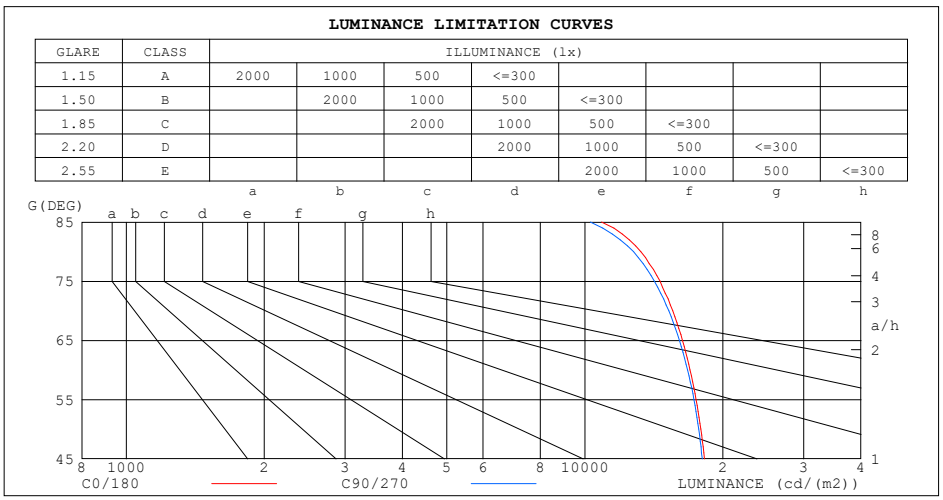
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

LUMINANCE LIMITATION CURVES

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	10870	10279
80	13250	12763
75	14590	14186
70	15546	15246
65	16325	16082
60	16964	16754
55	17489	17292
50	17906	17710
45	18243	18031

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

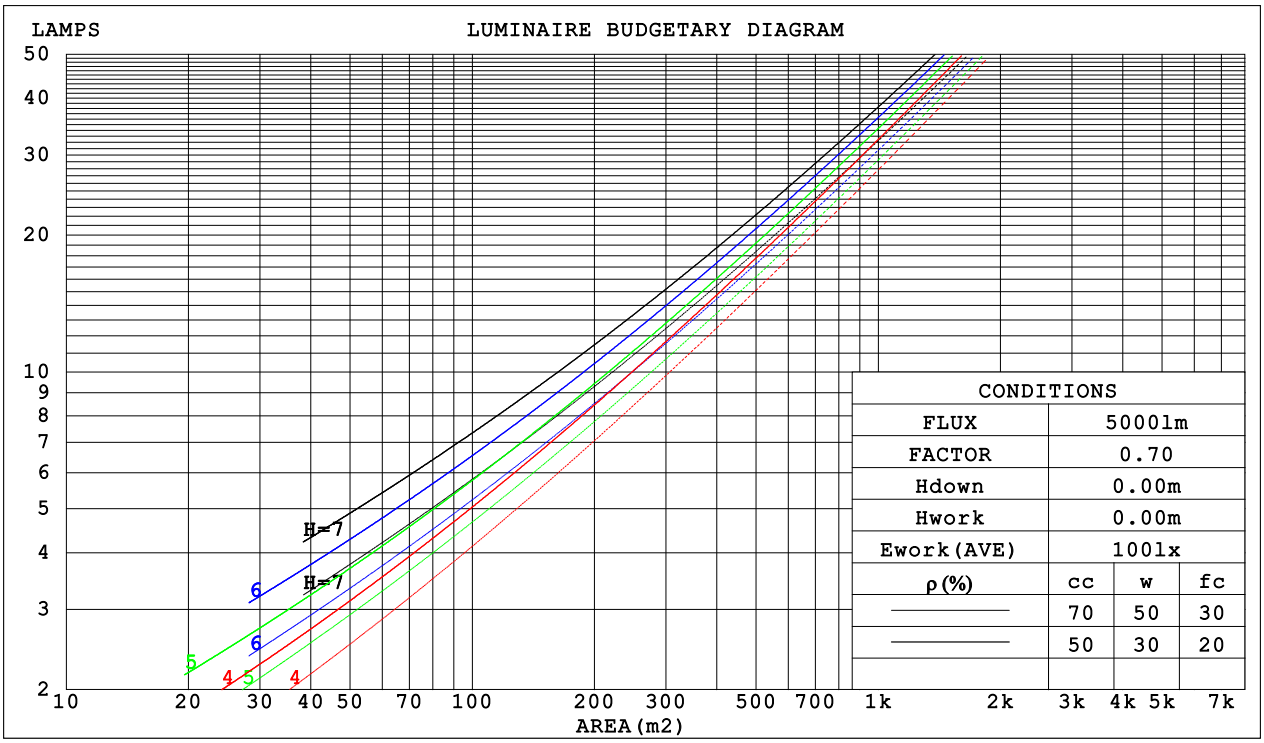
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.92	.90	.87	.89	.86	.85	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.36	.30	.25	.35	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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WEC AND CCEC

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.311	.177	.056	.304	.173	.055	.290	.166	.053	.277	.160	.051	.265	.153	.049	
2.0	.292	.160	.049	.286	.157	.048	.273	.152	.047	.262	.147	.046	.251	.142	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.231	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.191	.167	.145	.163	.143	.125	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.109	.157	.123	.094	.107	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.125	.085	.150	.108	.074	.103	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.168	.112	.069	.144	.097	.060	.099	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.160	.101	.058	.138	.088	.050	.095	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.153	.093	.050	.132	.081	.043	.091	.056	.031	.053	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.126	.075	.038	.087	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.140	.080	.039	.120	.070	.034	.083	.049	.024	.048	.029	.015	.016	.009	.005	
9.0	.134	.075	.036	.115	.065	.031	.080	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.110	.062	.029	.077	.043	.021	.045	.026	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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UGR(Unified Glare Rating) Table

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	22.9	24.4	23.2	24.6	24.8	22.9	24.4	23.1	24.6	24.8
	3H	24.4	25.8	24.7	26.0	26.3	24.4	25.8	24.7	26.0	26.3
	4H	25.0	26.3	25.4	26.6	26.9	25.0	26.3	25.3	26.6	26.9
	6H	25.5	26.7	25.8	27.0	27.3	25.4	26.6	25.8	26.9	27.3
	8H	25.6	26.8	26.0	27.1	27.4	25.5	26.7	25.9	27.0	27.4
	12H	25.7	26.8	26.1	27.2	27.5	25.6	26.8	26.0	27.1	27.4
4H	2H	23.5	24.8	23.8	25.1	25.4	23.5	24.8	23.8	25.1	25.4
	3H	25.2	26.4	25.6	26.7	27.0	25.2	26.4	25.6	26.7	27.0
	4H	26.0	27.0	26.4	27.4	27.7	26.0	27.0	26.4	27.4	27.7
	6H	26.6	27.5	27.0	27.9	28.3	26.5	27.5	26.9	27.8	28.2
	8H	26.8	27.6	27.2	28.0	28.5	26.7	27.6	27.2	28.0	28.4
	12H	26.9	27.7	27.3	28.1	28.5	26.8	27.6	27.3	28.0	28.5
8H	4H	26.3	27.2	26.7	27.6	28.0	26.3	27.1	26.7	27.5	27.9
	6H	27.0	27.8	27.5	28.2	28.7	27.0	27.7	27.5	28.2	28.6
	8H	27.3	28.0	27.8	28.4	28.9	27.3	27.9	27.8	28.4	28.9
	12H	27.5	28.1	28.0	28.6	29.1	27.5	28.1	28.0	28.5	29.0
12H	4H	26.3	27.1	26.8	27.5	28.0	26.3	27.1	26.7	27.5	27.9
	6H	27.1	27.8	27.6	28.2	28.7	27.1	27.7	27.6	28.2	28.7
	8H	27.5	28.0	28.0	28.5	29.0	27.4	28.0	27.9	28.4	29.0

Variations with the observer position at spacings:		
S = 1.0H	+ 0.1 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.3	+ 0.1 / - 0.4

CIE Pub.117, 19714 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.4)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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UTILIZATION FACTORS TABLE

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	78	70	86	77	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

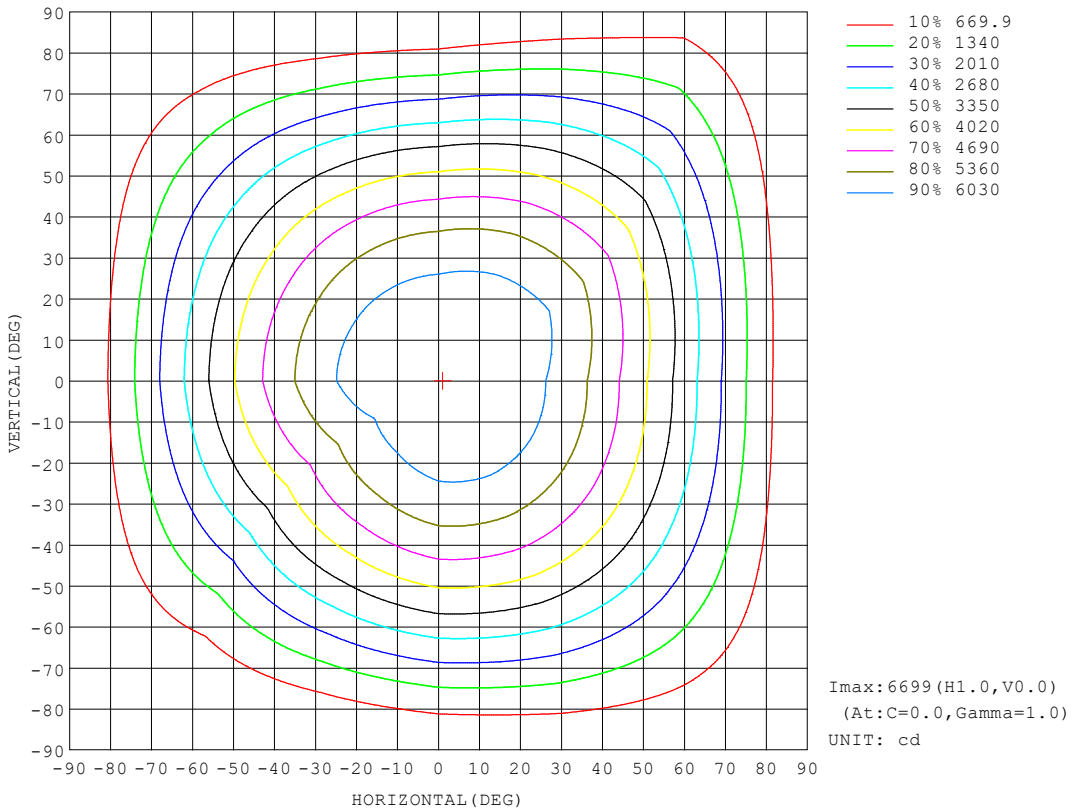
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



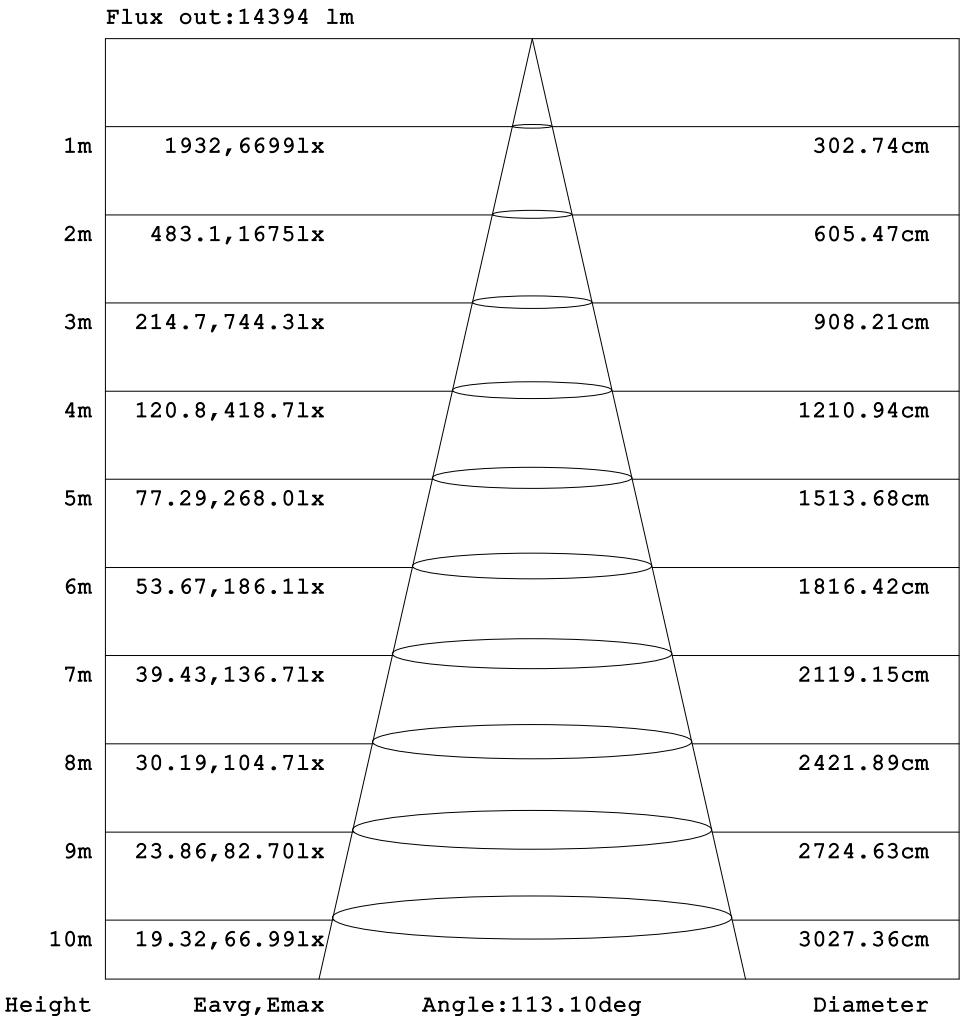
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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AAI Figure

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

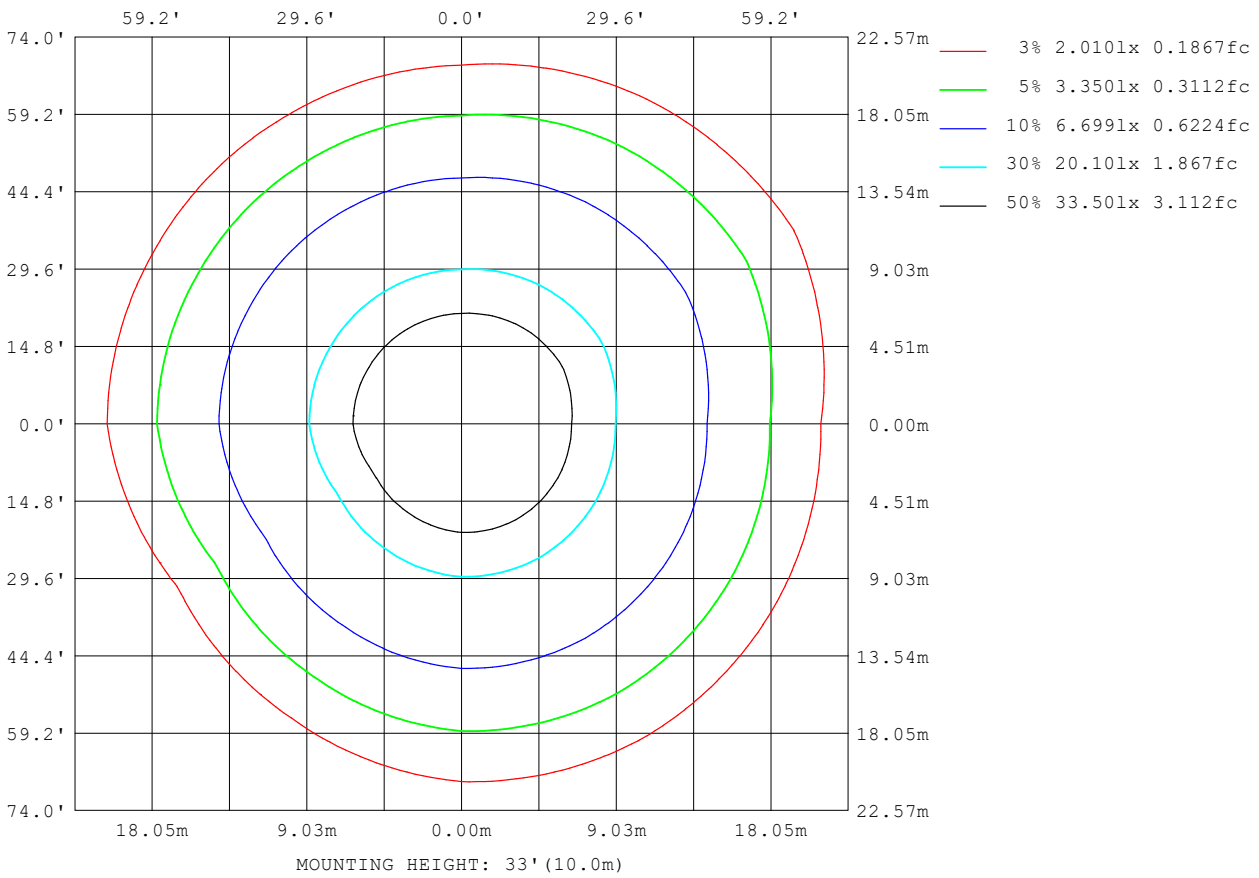
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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LED Avg.L Report

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	15938
L_0~180(75)av	14042
L_0~180(85)av	9656
L_90~270(65)av	16125
L_90~270(75)av	14101
L_90~270(85)av	9674
L_45(65)av	16047
L_45(75)av	14193
L_45(85)av	11256

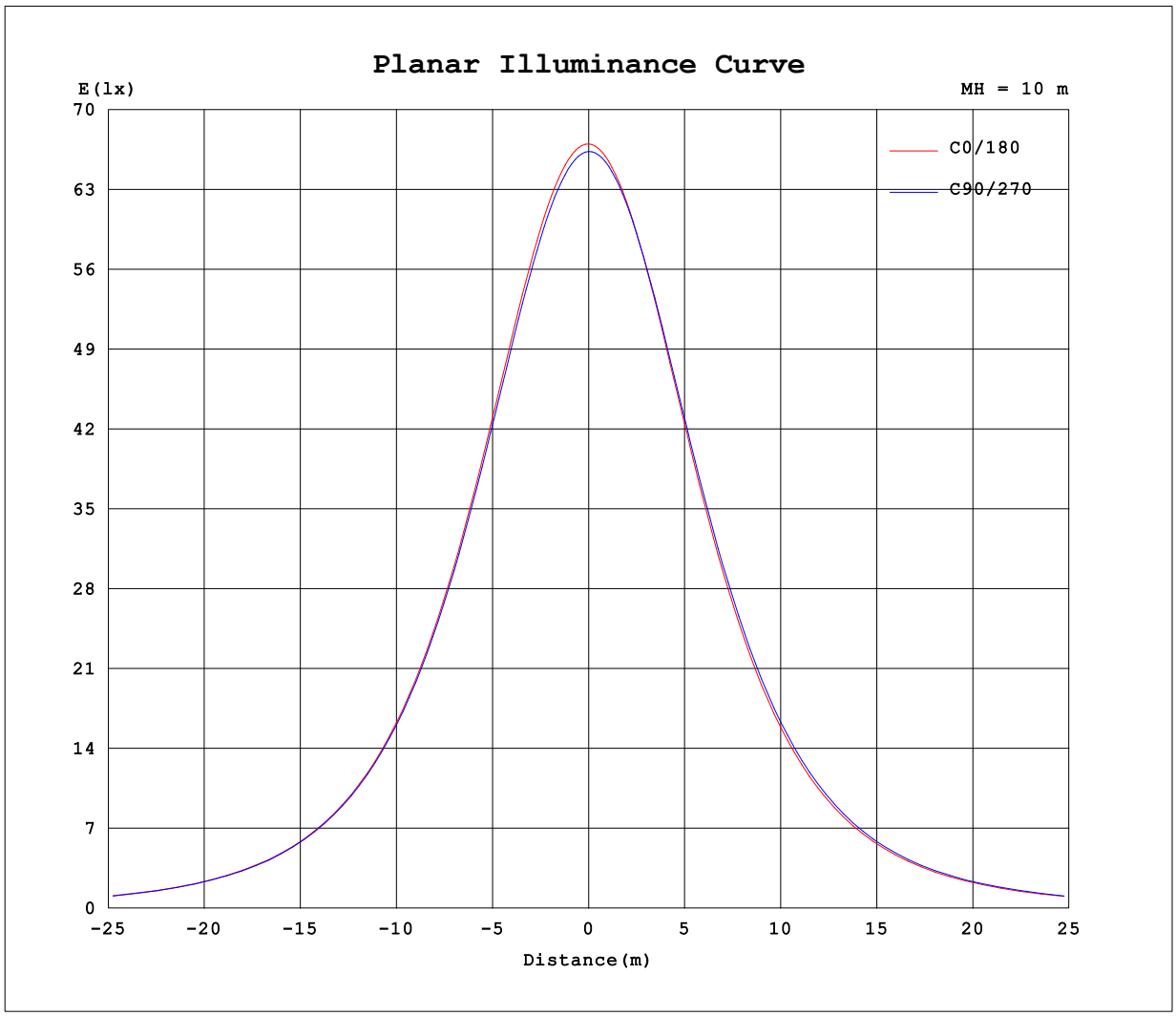
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.36V I:0.7778A P:166.71W PF:0.9771 Freq:50.00Hz Lamp Flux:22214.1x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	6699	6689	6666	6633	6602	6604	6699	6689	6666	6633	6602	6604							
5	6681	6672	6645	6601	6534	6511	6667	6658	6641	6620	6624	6648							
10	6613	6606	6578	6525	6418	6368	6586	6577	6569	6561	6599	6644							
15	6494	6491	6465	6401	6254	6173	6452	6445	6446	6454	6526	6590							
20	6321	6324	6301	6228	6038	5924	6265	6259	6271	6294	6404	6487							
25	6090	6103	6084	6002	5768	5619	6022	6016	6040	6079	6227	6329							
30	5803	5824	5813	5721	5444	5260	5720	5714	5748	5804	5990	6114							
35	5455	5487	5483	5384	5064	4850	5362	5354	5397	5468	5693	5839							
40	5054	5097	5100	4992	4636	4393	4950	4939	4992	5073	5335	5505							
45	4604	4655	4665	4551	4165	3899	4489	4474	4529	4622	4918	5112							
50	4108	4168	4182	4063	3654	3375	3989	3968	4021	4123	4450	4668							
55	3580	3646	3664	3540	3119	2830	3459	3430	3478	3586	3937	4177							
60	3027	3096	3117	2990	2565	2276	2906	2870	2910	3020	3388	3648							
65	2462	2534	2552	2426	2007	1727	2346	2300	2333	2439	2816	3091							
70	1898	1969	1985	1861	1460	1197	1788	1734	1757	1858	2235	2520							
75	1348	1416	1430	1310	938	694	1246	1188	1202	1295	1661	1948							
80	821	888	899	791	457	238	734	673	680	763	1108	1388							
85	338	400	413	320	66.9	19.8	263	205	207	282	592	853							
90	19.1	18.6	45.8	19.2	21.3	22.4	20.2	20.8	20.2	20.0	133	362							
95	21.2	20.8	20.7	21.4	24.2	25.8	22.8	23.5	22.5	22.0	20.9	20.4							
100	24.5	23.9	23.5	24.5	27.5	29.4	26.4	26.9	25.5	24.9	23.2	22.1							
105	28.3	27.5	26.9	28.1	31.1	33.0	30.3	30.6	29.0	28.4	26.2	25.4							
110	33.1	32.0	31.3	32.4	35.8	37.7	34.9	35.1	33.2	32.5	30.4	29.8							
115	38.6	37.3	36.4	37.5	41.3	43.3	39.9	40.1	38.0	36.9	35.1	34.5							
120	43.5	41.8	40.9	41.6	45.4	48.1	44.6	44.8	42.5	41.1	39.5	38.8							
125	47.7	45.7	44.8	44.9	48.9	52.6	48.0	48.3	45.3	43.8	42.8	42.0							
130	51.1	49.1	47.8	47.9	51.7	56.0	51.2	51.6	47.7	46.2	45.5	44.8							
135	53.9	52.2	50.3	50.3	53.9	58.0	54.1	54.4	49.9	48.6	47.8	47.5							
140	56.6	54.9	52.9	52.7	56.0	58.9	56.4	56.0	52.0	50.9	50.4	50.5							
145	58.6	57.5	55.8	55.0	58.1	60.2	58.5	56.1	54.3	53.2	53.2	53.3							
150	61.2	60.4	58.8	57.6	60.6	59.6	61.1	57.3	56.5	55.8	55.9	56.1							
155	63.8	63.7	62.0	60.5	62.8	61.3	63.7	57.7	59.0	58.7	59.0	59.2							
160	66.6	67.3	64.6	62.4	64.9	66.5	66.8	62.2	61.6	61.3	62.1	62.8							
165	69.2	70.3	66.5	64.0	66.5	68.7	70.4	67.2	64.2	63.4	64.7	66.4							
170	71.4	71.7	67.2	65.2	67.3	70.2	73.8	69.4	66.2	65.2	66.2	69.1							
175	70.0	68.8	64.6	63.2	64.4	67.8	71.9	68.9	65.3	64.3	65.0	68.1							
180	66.1	64.6	61.0	59.8	60.3	63.3	66.1	64.5	61.0	59.9	60.3	63.3							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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Energy Saving
SkyRaft IES Data

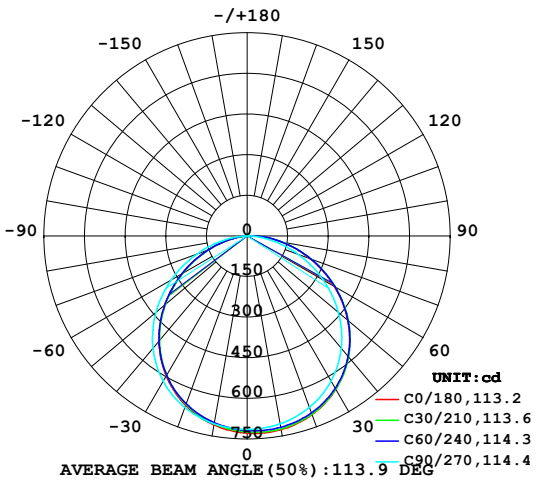
EVERFINE 远方

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

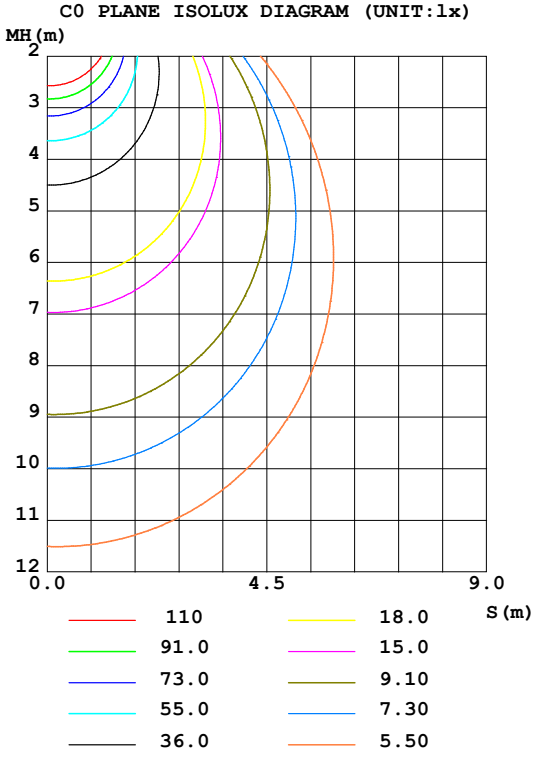
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 127.61 lm/W	
MODEL	LSLH-10%	Imax(cd)	730.0	S/MH(C0/180)	1.23
NOMINAL POWER(W)	17	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2757	η UP,DN(C0-180)	0.7,48.6
NOMINAL FLUX(lm)	2757.01	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,49.9
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):113.9 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	726.1	720.1	704.2	683.7	708.4	702.0	704.3	719.2	0- 10	68.06	68.06	3.17,3.17
20	702.0	697.7	673.4	632.4	665.4	660.3	673.8	705.4	10- 20	196.1	264.2	12.3,12.3
30	654.2	652.2	619.3	557.6	597.6	594.4	619.8	669.2	20- 30	299.9	564.0	26.3,26.3
40	581.1	581.7	540.8	461.1	506.2	504.7	541.1	608.2	30- 40	364.5	928.5	43.3,43.3
50	484.7	487.3	440.2	348.6	396.2	395.5	439.7	522.1	40- 50	379.2	1308	61,61
60	371.0	374.5	323.8	228.9	276.0	274.8	322.2	414.8	50- 60	341.7	1649	76.9,76.9
70	248.3	252.1	202.0	112.4	155.3	152.8	197.9	293.8	60- 70	260.0	1909	89,89
80	127.6	131.5	86.13	15.81	44.88	41.88	80.34	170.0	70- 80	151.6	2061	96.1,96.1
90	20.77	24.73	2.271	2.679	2.397	2.476	2.320	55.93	80- 90	50.77	2112	98.4,98.4
100	2.524	2.559	2.872	3.436	3.282	3.306	3.000	2.569	90-100	6.604	2118	98.8,98.8
110	3.419	3.391	3.727	4.317	4.142	4.142	3.796	3.262	100-110	3.547	2122	98.9,98.9
120	4.463	4.385	4.666	5.323	5.067	5.073	4.642	4.142	110-120	4.214	2126	99.1,99.1
130	5.337	5.229	5.395	6.084	5.871	5.837	5.327	4.924	120-130	4.602	2131	99.3,99.3
140	6.008	5.896	5.976	6.487	6.361	6.280	5.846	5.512	130-140	4.480	2135	99.5,99.5
150	6.544	6.536	6.539	6.785	6.875	6.491	6.387	6.139	140-150	3.942	2139	99.7,99.7
160	7.188	7.232	7.041	7.376	7.539	7.159	6.977	6.859	150-160	3.155	2142	99.9,99.9
170	7.736	7.643	7.305	7.691	8.218	7.717	7.346	7.447	160-170	2.104	2144	100,100
180	7.408	7.078	6.745	6.934	7.425	7.081	6.733	6.941	170-180	0.7141	2145	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

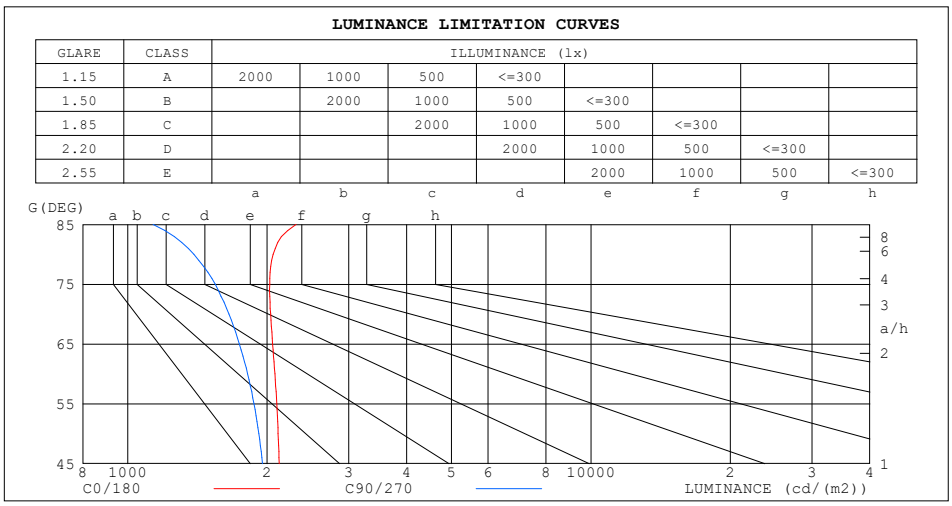
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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LUMINANCE LIMITATION CURVES

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2308	1134
80	2059	1390
75	2026	1544
70	2035	1654
65	2056	1743
60	2079	1815
55	2099	1873
50	2113	1919
45	2123	1954

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

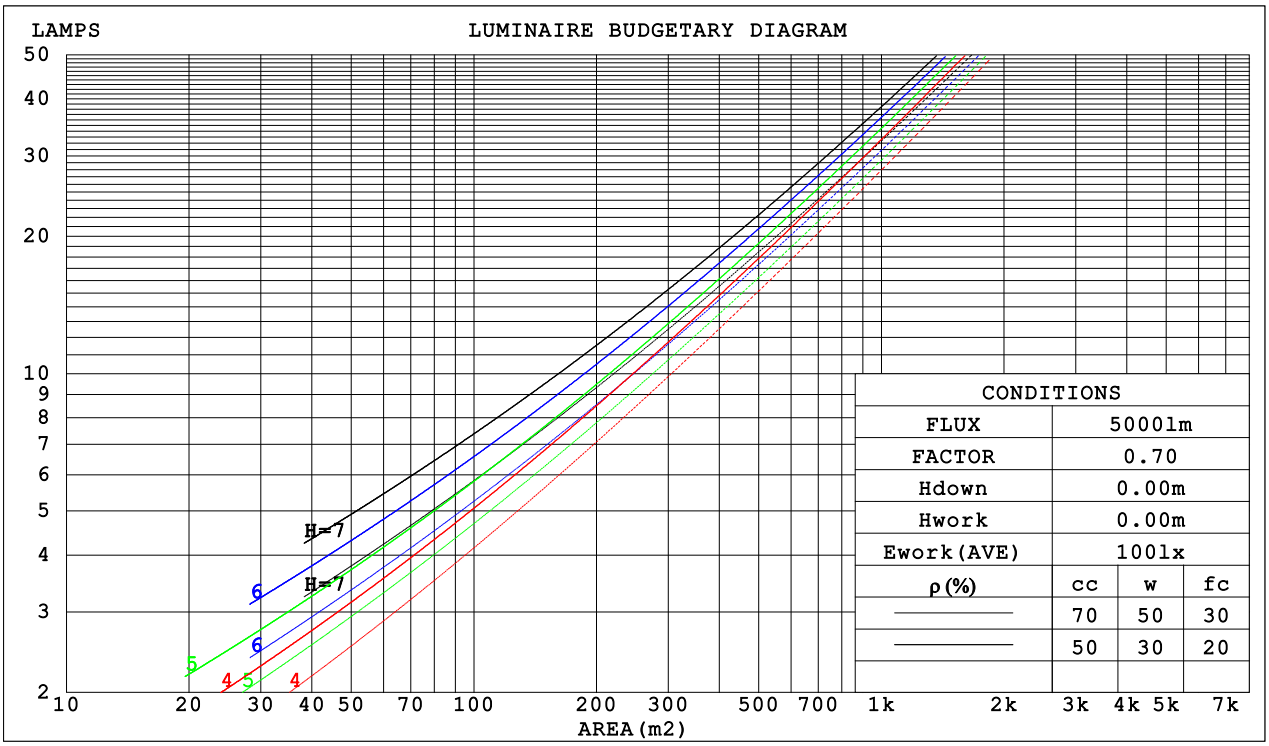
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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WEC AND CCEC

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.315	.179	.057	.308	.176	.056	.294	.169	.054	.281	.162	.052	.269	.156	.050	
2.0	.295	.161	.050	.288	.159	.049	.275	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.218	.118	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.210	.111	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.099	.028	.196	.097	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.168	.146	.165	.144	.126	.113	.099	.087	.065	.057	.050	.021	.018	.016	
2.0	.185	.144	.110	.158	.124	.095	.108	.086	.066	.062	.050	.039	.020	.016	.013	
3.0	.177	.126	.086	.152	.109	.075	.104	.076	.052	.060	.044	.031	.019	.014	.010	
4.0	.169	.113	.070	.145	.098	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.162	.103	.059	.139	.089	.052	.096	.062	.036	.055	.036	.022	.018	.012	.007	
6.0	.155	.094	.051	.133	.082	.045	.092	.057	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.045	.127	.076	.040	.088	.053	.028	.051	.031	.017	.016	.010	.006	
8.0	.141	.082	.041	.122	.071	.036	.084	.050	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.077	.037	.117	.067	.033	.081	.047	.023	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.112	.063	.030	.078	.044	.022	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

UGR(Unified Glare Rating) Table

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.8	17.3	16.1	17.6	17.8	15.5	17.0	15.8	17.2	17.5
3H	17.5	18.9	17.9	19.2	19.5	17.0	18.4	17.3	18.7	18.9
4H	18.3	19.6	18.6	19.9	20.2	17.6	18.9	18.0	19.2	19.5
6H	19.0	20.2	19.3	20.5	20.8	18.1	19.3	18.4	19.6	19.9
8H	19.2	20.4	19.6	20.7	21.1	18.2	19.4	18.6	19.7	20.0
12H	19.4	20.6	19.8	20.9	21.3	18.3	19.4	18.7	19.8	20.1
4H 2H	16.5	17.8	16.8	18.1	18.4	16.2	17.6	16.6	17.9	18.1
3H	18.4	19.6	18.8	19.9	20.2	18.0	19.2	18.4	19.5	19.9
4H	19.3	20.4	19.7	20.7	21.1	18.8	19.9	19.2	20.2	20.6
6H	20.1	21.1	20.6	21.5	21.9	19.4	20.4	19.8	20.7	21.1
8H	20.5	21.3	20.9	21.7	22.2	19.6	20.5	20.1	20.9	21.3
12H	20.8	21.6	21.2	22.0	22.4	19.8	20.6	20.2	21.0	21.4
8H 4H	19.7	20.6	20.1	21.0	21.4	19.2	20.1	19.7	20.5	20.9
6H	20.7	21.4	21.2	21.9	22.3	20.1	20.8	20.6	21.3	21.7
8H	21.2	21.8	21.6	22.3	22.7	20.4	21.1	20.9	21.5	22.0
12H	21.6	22.1	22.1	22.6	23.1	20.7	21.3	21.2	21.7	22.2
12H 4H	19.7	20.5	20.2	20.9	21.4	19.3	20.1	19.8	20.5	21.0
6H	20.8	21.4	21.3	21.9	22.4	20.2	20.9	20.7	21.3	21.8
8H	21.3	21.9	21.8	22.4	22.9	20.7	21.2	21.2	21.7	22.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117, 2145 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.7)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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UTILIZATION FACTORS TABLE

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	71	65	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

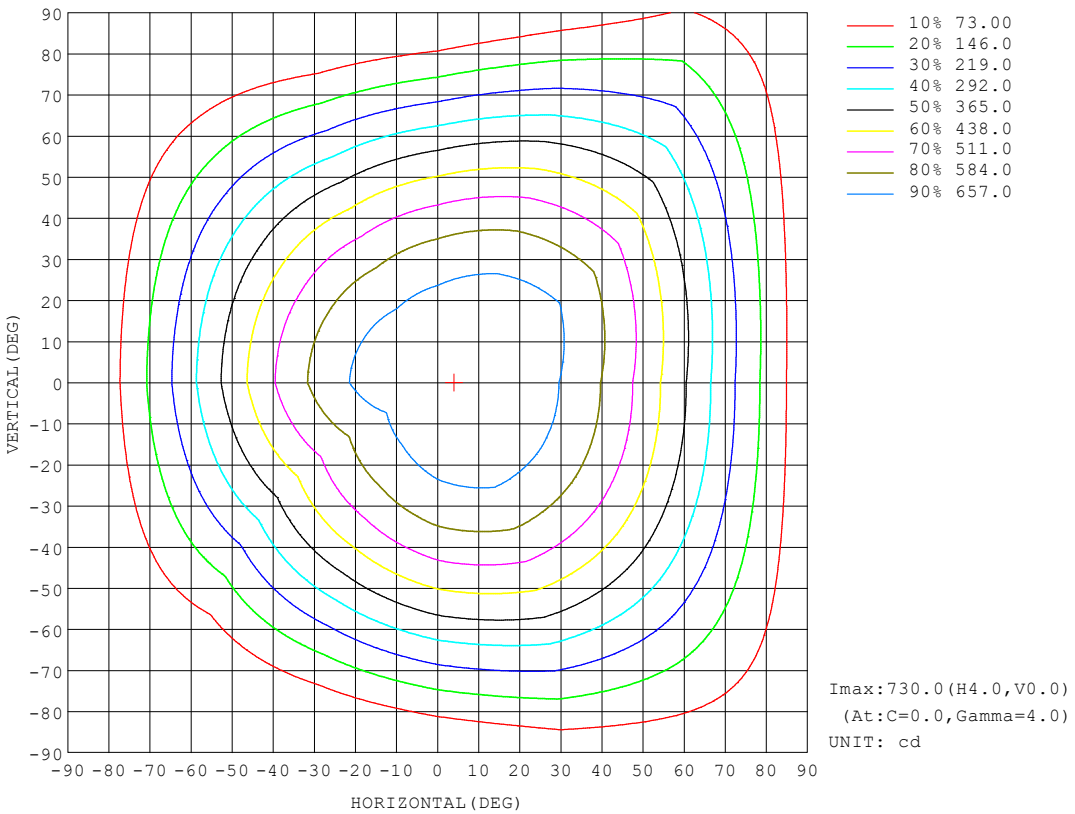
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

ISOCANDELA DIAGRAM

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:



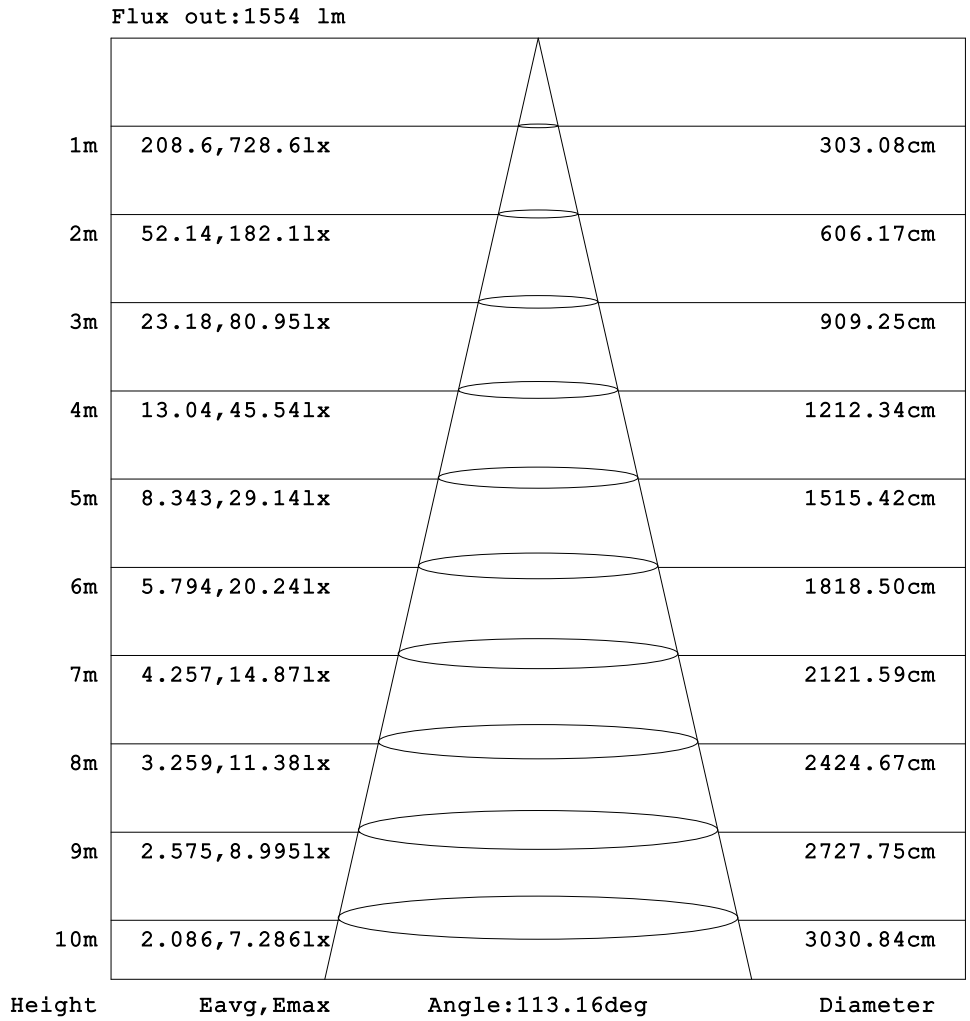
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

AAI Figure

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

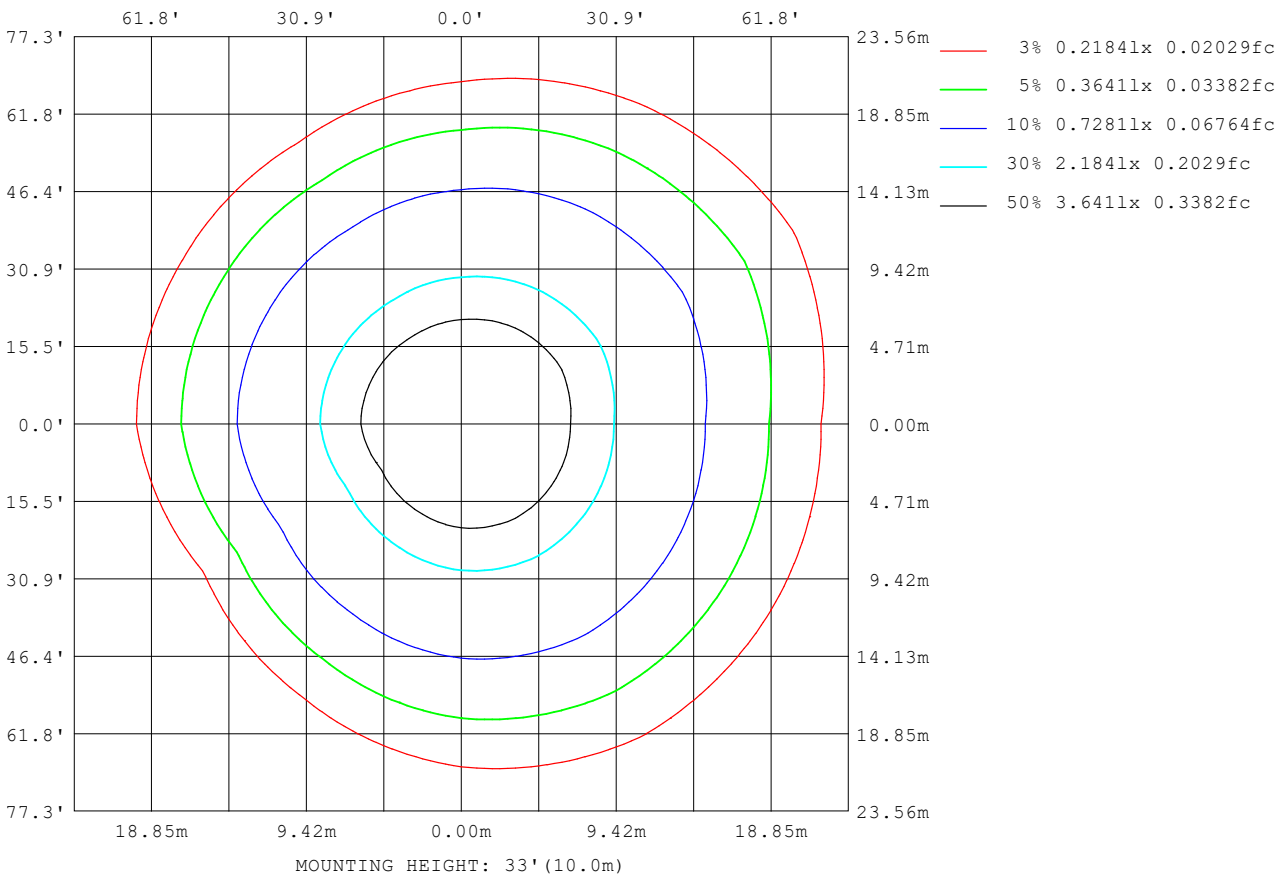
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

LED Avg.L Report

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	1741
L_0~180(75)av	1541
L_0~180(85)av	1189
L_90~270(65)av	1734
L_90~270(75)av	1516
L_90~270(85)av	1030
L_45(65)av	1745
L_45(75)av	1566
L_45(85)av	1584

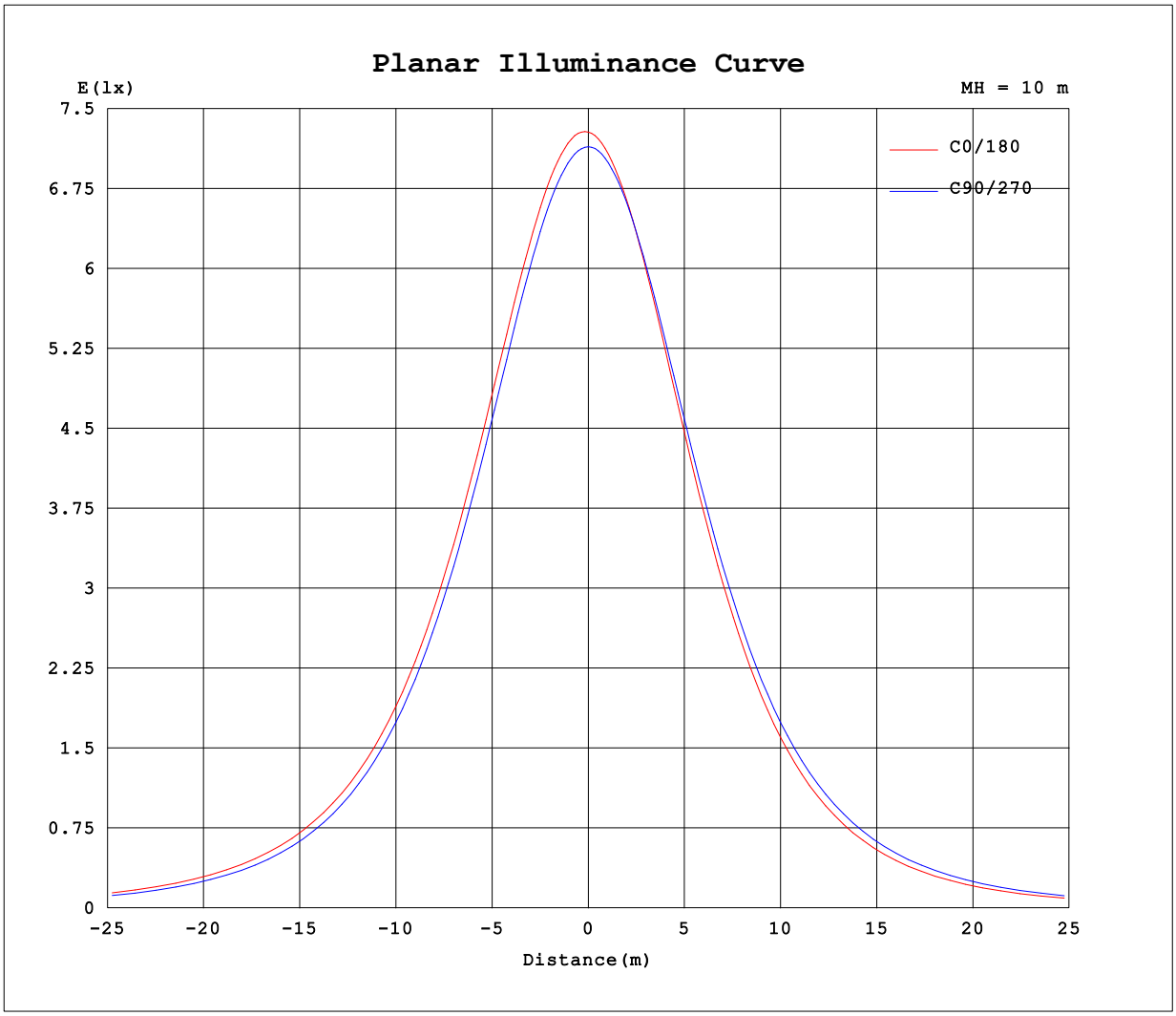
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.47V I:0.1673A P:21.605W PF:0.5883 Freq:50.00Hz Lamp Flux:2757.01x1 lm		
NAME: LSLH-10%	TYPE:LSLH-10%	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-10%
MFR.: LSLH	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	728	724	718	714	712	712	728	724	718	714	712	712
5	730	726	720	712	703	698	721	717	712	712	716	721
10	726	723	717	704	688	679	708	704	700	704	715	724
15	717	714	709	692	669	653	690	686	682	692	708	722
20	702	700	695	673	643	622	665	661	659	674	697	714
25	681	680	676	649	611	584	635	631	630	650	680	701
30	654	654	650	619	574	541	598	594	595	620	657	682
35	621	622	618	583	530	493	555	551	553	584	627	657
40	581	583	580	541	482	440	506	503	506	541	591	625
45	536	538	536	493	429	384	453	450	454	493	549	587
50	485	488	486	440	372	325	396	393	398	440	501	543
55	430	433	432	383	313	265	337	334	338	382	448	493
60	371	375	374	324	253	205	276	273	277	322	391	439
65	310	315	313	263	193	147	215	211	215	260	330	381
70	248	253	251	202	135	90.2	155	151	155	198	268	320
75	187	192	190	143	79.8	39.2	97.6	93.9	96.0	137	206	258
80	128	132	131	86.1	29.4	2.20	44.9	40.7	43.1	80.3	145	195
85	71.8	75.7	75.1	35.3	2.31	2.46	2.19	2.19	2.18	28.8	86.4	135
90	20.8	25.0	24.5	2.27	2.57	2.79	2.40	2.48	2.47	2.32	34.1	77.8
95	2.19	2.23	2.29	2.51	2.89	3.17	2.82	2.90	2.85	2.62	2.40	25.9
100	2.52	2.54	2.58	2.87	3.30	3.57	3.28	3.34	3.27	3.00	2.68	2.46
105	2.97	2.95	2.96	3.30	3.74	4.02	3.71	3.77	3.67	3.40	3.00	2.75
110	3.42	3.39	3.39	3.73	4.18	4.46	4.14	4.21	4.08	3.80	3.39	3.13
115	3.93	3.88	3.87	4.19	4.67	4.97	4.62	4.70	4.56	4.24	3.84	3.60
120	4.46	4.40	4.37	4.67	5.13	5.52	5.07	5.15	4.99	4.64	4.26	4.02
125	4.96	4.87	4.85	5.06	5.54	6.02	5.47	5.58	5.34	4.99	4.67	4.43
130	5.34	5.25	5.21	5.40	5.85	6.32	5.87	5.99	5.68	5.33	5.04	4.81
135	5.69	5.62	5.54	5.71	6.13	6.53	6.18	6.24	5.92	5.59	5.32	5.11
140	6.01	5.95	5.84	5.98	6.36	6.61	6.36	6.42	6.14	5.85	5.60	5.42
145	6.25	6.25	6.15	6.25	6.59	6.76	6.60	6.50	6.37	6.10	5.89	5.76
150	6.54	6.57	6.50	6.54	6.84	6.73	6.88	6.37	6.61	6.39	6.20	6.08
155	6.85	6.93	6.85	6.84	7.07	7.03	7.18	6.68	6.89	6.71	6.55	6.43
160	7.19	7.32	7.15	7.04	7.27	7.48	7.54	7.17	7.15	6.98	6.91	6.81
165	7.55	7.67	7.38	7.23	7.46	7.76	7.93	7.62	7.39	7.20	7.21	7.23
170	7.74	7.83	7.46	7.31	7.53	7.85	8.22	7.90	7.54	7.35	7.37	7.52
175	7.62	7.53	7.14	7.01	7.15	7.48	7.93	7.75	7.31	7.15	7.17	7.43
180	7.41	7.28	6.88	6.75	6.79	7.08	7.43	7.28	6.88	6.73	6.79	7.09

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:2026-01-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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Energy Saving
SkyRaft IES Data

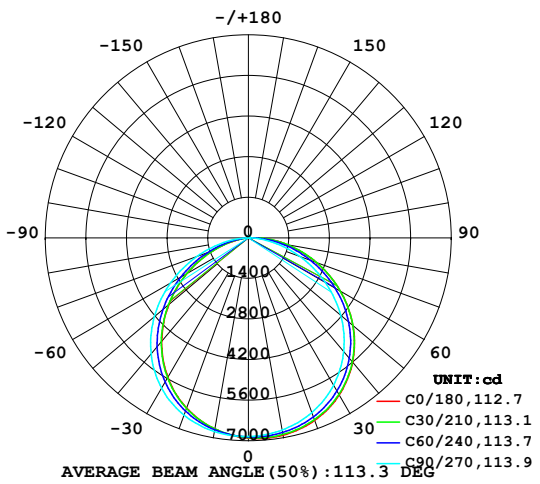
EVERFINE 远方

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

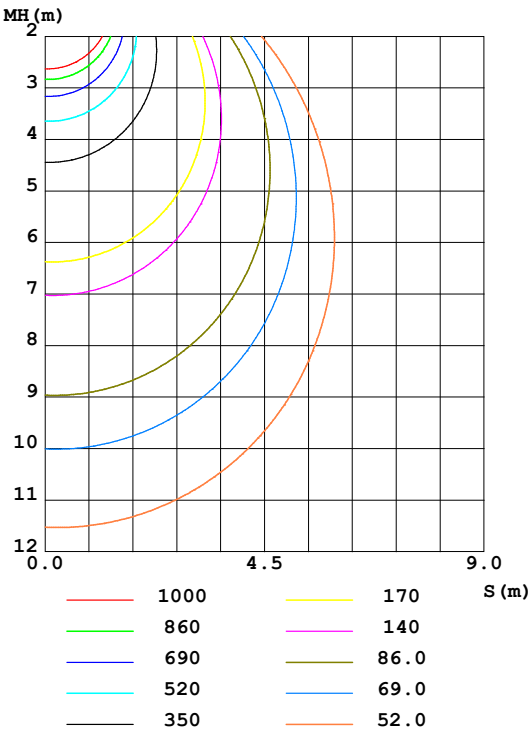
DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.18 lm/W			
MODEL	LSLH-175W	Imax(cd)	6934	S/MH(C0/180)	1.20
NOMINAL POWER(W)	175	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	22916	η UP,DN(C0-180)	0.7,49.9
NOMINAL FLUX(lm)	22915.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,48.6
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):113.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6908	6848	6729	6615	6690	6703	6781	6874	0- 10	650.7	650.7	3.2,3.2
20	6697	6617	6409	6169	6243	6304	6501	6694	10- 20	1874	2524	12.4,12.4
30	6264	6171	5874	5497	5557	5662	5987	6288	20- 30	2862	5386	26.5,26.5
40	5595	5497	5116	4612	4651	4786	5221	5638	30- 40	3471	8858	43.6,43.6
50	4708	4610	4159	3565	3581	3725	4233	4753	40- 50	3603	12460	61.3,61.3
60	3651	3553	3058	2429	2432	2561	3091	3683	50- 60	3237	15698	77.3,77.3
70	2500	2404	1902	1303	1298	1398	1894	2509	60- 70	2453	18150	89.3,89.3
80	1351	1264	807.5	300.2	285.1	355.4	769.6	1342	70- 80	1420	19570	96.3,96.3
90	321.8	258.1	20.32	22.85	22.54	23.26	21.03	302.0	80- 90	451.2	20021	98.5,98.5
100	21.85	23.01	25.78	29.68	30.00	29.97	26.16	23.19	90-100	47.73	20069	98.8,98.8
110	30.57	31.25	34.16	38.29	38.52	38.22	34.01	30.85	100-110	31.76	20101	98.9,98.9
120	41.29	41.54	43.91	48.64	48.25	47.93	42.91	40.30	110-120	39.34	20140	99.1,99.1
130	49.35	49.31	50.51	55.94	55.06	53.95	48.21	46.56	120-130	43.02	20183	99.3,99.3
140	55.06	55.19	55.53	59.64	59.56	57.91	53.04	52.12	130-140	41.54	20225	99.5,99.5
150	60.54	61.27	60.81	62.44	64.48	61.09	58.20	57.99	140-150	36.64	20261	99.7,99.7
160	65.95	68.02	65.86	68.32	70.34	66.58	63.97	64.66	150-160	29.35	20291	99.9,99.9
170	71.53	72.40	68.59	71.40	76.39	72.05	68.04	70.18	160-170	19.62	20310	100,100
180	67.87	65.16	62.12	63.96	67.90	65.17	62.11	63.96	170-180	6.697	20317	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

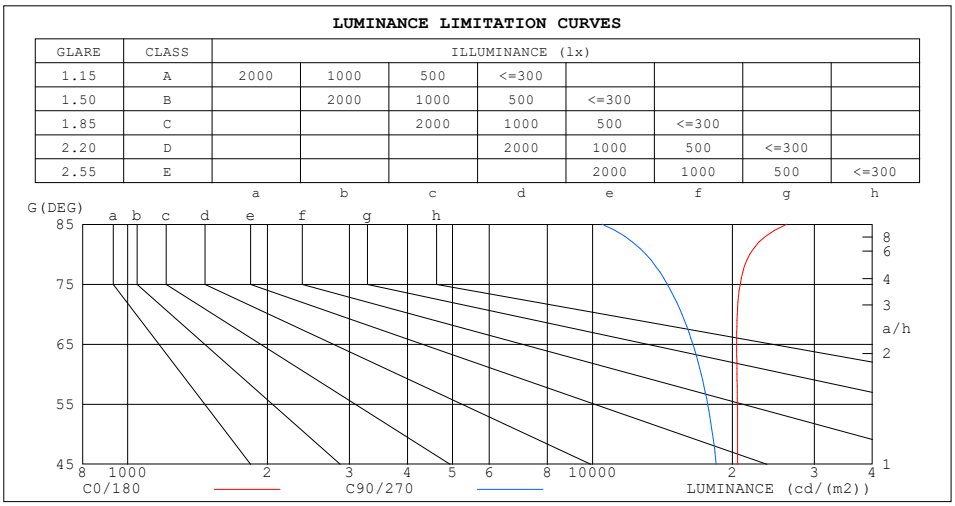
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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LUMINANCE LIMITATION CURVES

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	26173	10489
80	21801	13029
75	20790	14487
70	20481	15579
65	20422	16441
60	20461	17137
55	20504	17690
50	20521	18128
45	20516	18466

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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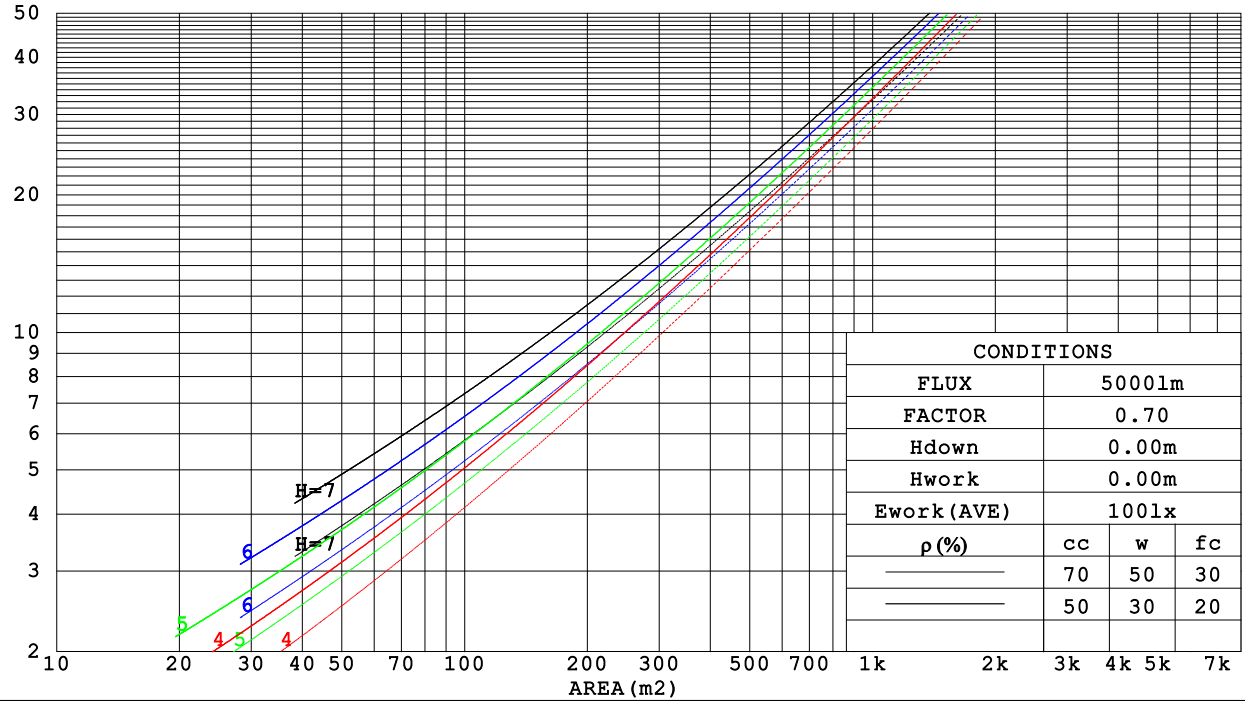
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.49	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.35	.30	.25	.24

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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WEC AND CCEC

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coeffcients(WEC)												
0.0																
1.0	.313	.178	.056	.306	.174	.055	.292	.167	.053	.279	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.250	.130	.038	.244	.128	.038	.235	.124	.037	.225	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.167	.145	.164	.144	.125	.112	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.184	.143	.109	.157	.123	.094	.108	.085	.066	.062	.050	.039	.020	.016	.013	
3.0	.176	.126	.085	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010	
4.0	.168	.112	.070	.144	.097	.060	.099	.068	.043	.057	.040	.025	.018	.013	.008	
5.0	.161	.102	.059	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
6.0	.154	.094	.051	.132	.081	.044	.091	.057	.031	.053	.033	.019	.017	.011	.006	
7.0	.147	.087	.045	.126	.075	.039	.087	.053	.028	.051	.031	.016	.016	.010	.005	
8.0	.140	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005	
9.0	.134	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.004	
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

UGR(Unified Glare Rating) Table

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	23.8	25.3	24.1	25.6	25.8	23.2	24.7	23.5	24.9	25.2
	3H	25.6	27.0	25.9	27.3	27.5	24.7	26.1	25.0	26.4	26.6
	4H	26.4	27.8	26.8	28.0	28.3	25.3	26.6	25.7	26.9	27.2
	6H	27.2	28.4	27.5	28.7	29.0	25.8	27.0	26.1	27.3	27.6
	8H	27.5	28.7	27.8	29.0	29.3	25.9	27.1	26.3	27.4	27.7
	12H	27.7	28.9	28.1	29.2	29.6	26.0	27.1	26.3	27.4	27.8
4H	2H	24.5	25.8	24.8	26.1	26.4	24.0	25.3	24.3	25.6	25.9
	3H	26.5	27.6	26.9	28.0	28.3	25.7	26.9	26.1	27.2	27.6
	4H	27.5	28.5	27.9	28.9	29.2	26.5	27.6	26.9	27.9	28.3
	6H	28.3	29.3	28.8	29.7	30.0	27.1	28.0	27.5	28.4	28.8
	8H	28.7	29.6	29.2	30.0	30.4	27.3	28.2	27.7	28.6	29.0
	12H	29.1	29.9	29.5	30.3	30.7	27.4	28.2	27.9	28.6	29.1
8H	4H	27.8	28.7	28.2	29.1	29.5	27.0	27.8	27.4	28.2	28.7
	6H	28.9	29.6	29.3	30.0	30.5	27.8	28.5	28.2	28.9	29.4
	8H	29.4	30.1	29.9	30.5	31.0	28.1	28.7	28.6	29.2	29.7
	12H	29.9	30.5	30.4	31.0	31.5	28.3	28.9	28.8	29.4	29.9
12H	4H	27.8	28.6	28.3	29.0	29.5	27.0	27.8	27.5	28.3	28.7
	6H	29.0	29.6	29.5	30.1	30.6	27.9	28.6	28.4	29.0	29.5
	8H	29.6	30.1	30.1	30.6	31.1	28.3	28.9	28.8	29.4	29.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H		+ 0.1 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117, 20317 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.5)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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UTILIZATION FACTORS TABLE

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

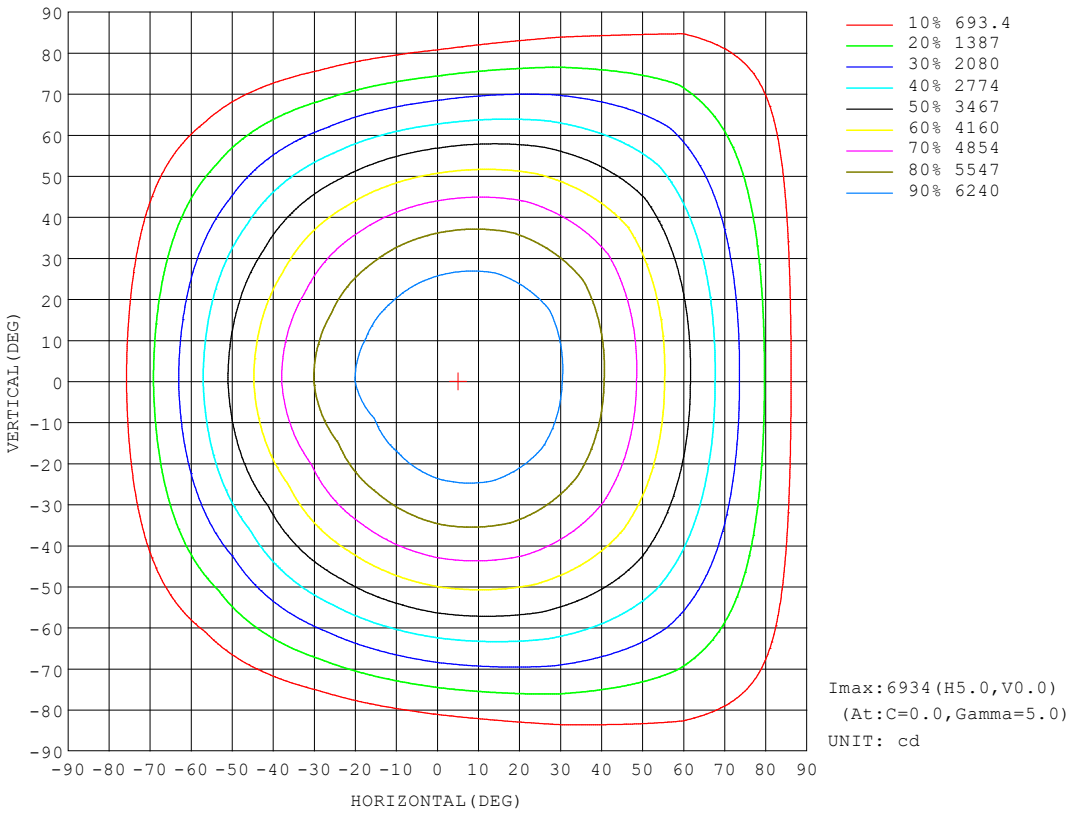
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



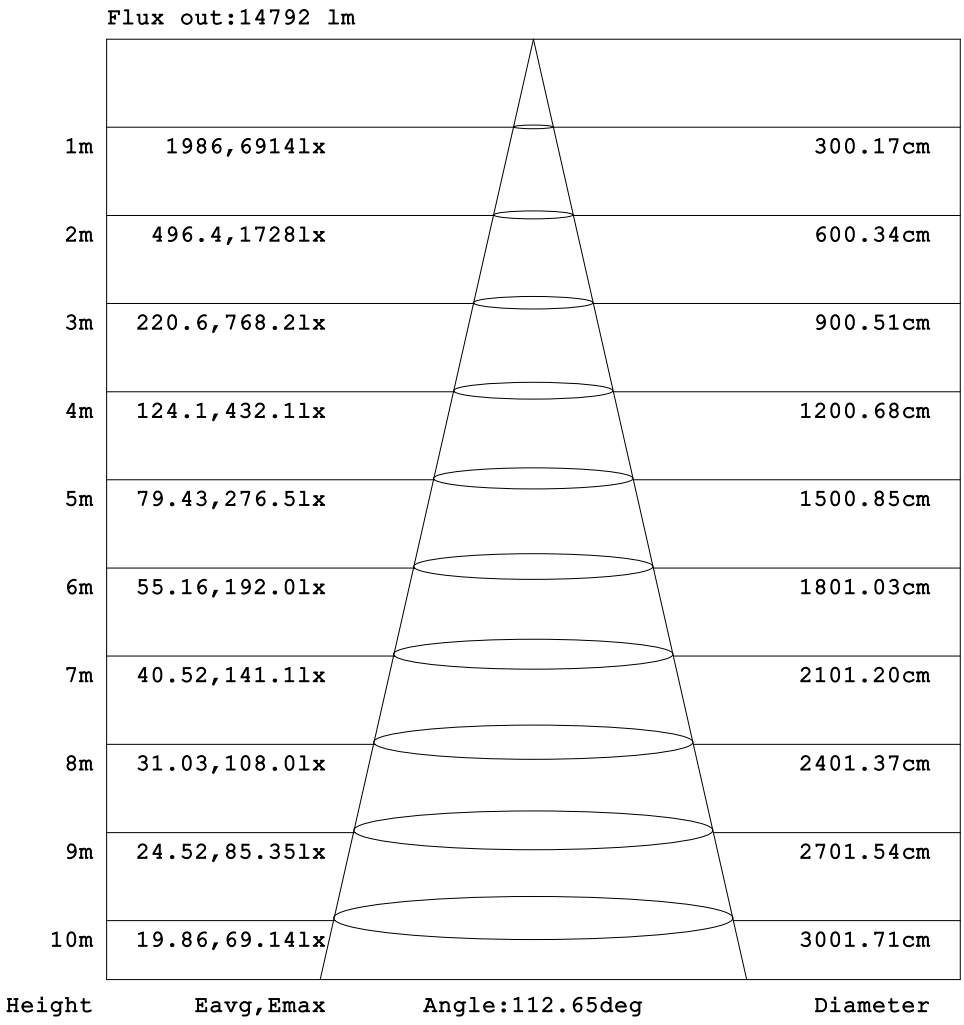
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

AAI Figure

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

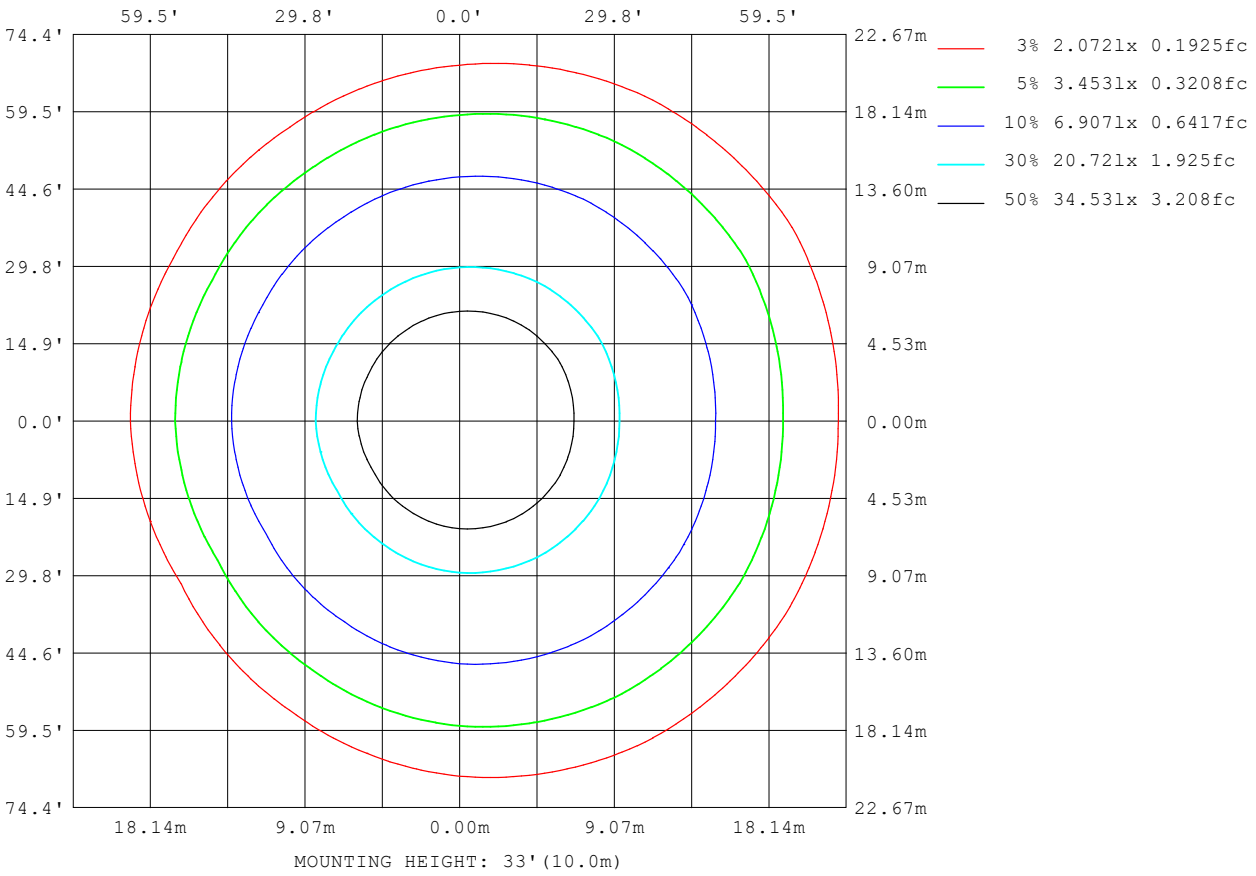
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

All information © Allom Architectural Lighting ltd. 2025 E&OE

LED Avg.L Report

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	16363
L_0~180(75)av	14563
L_0~180(85)av	13405
L_90~270(65)av	16479
L_90~270(75)av	14360
L_90~270(85)av	9698
L_45(65)av	16437
L_45(75)av	14563
L_45(85)av	12922

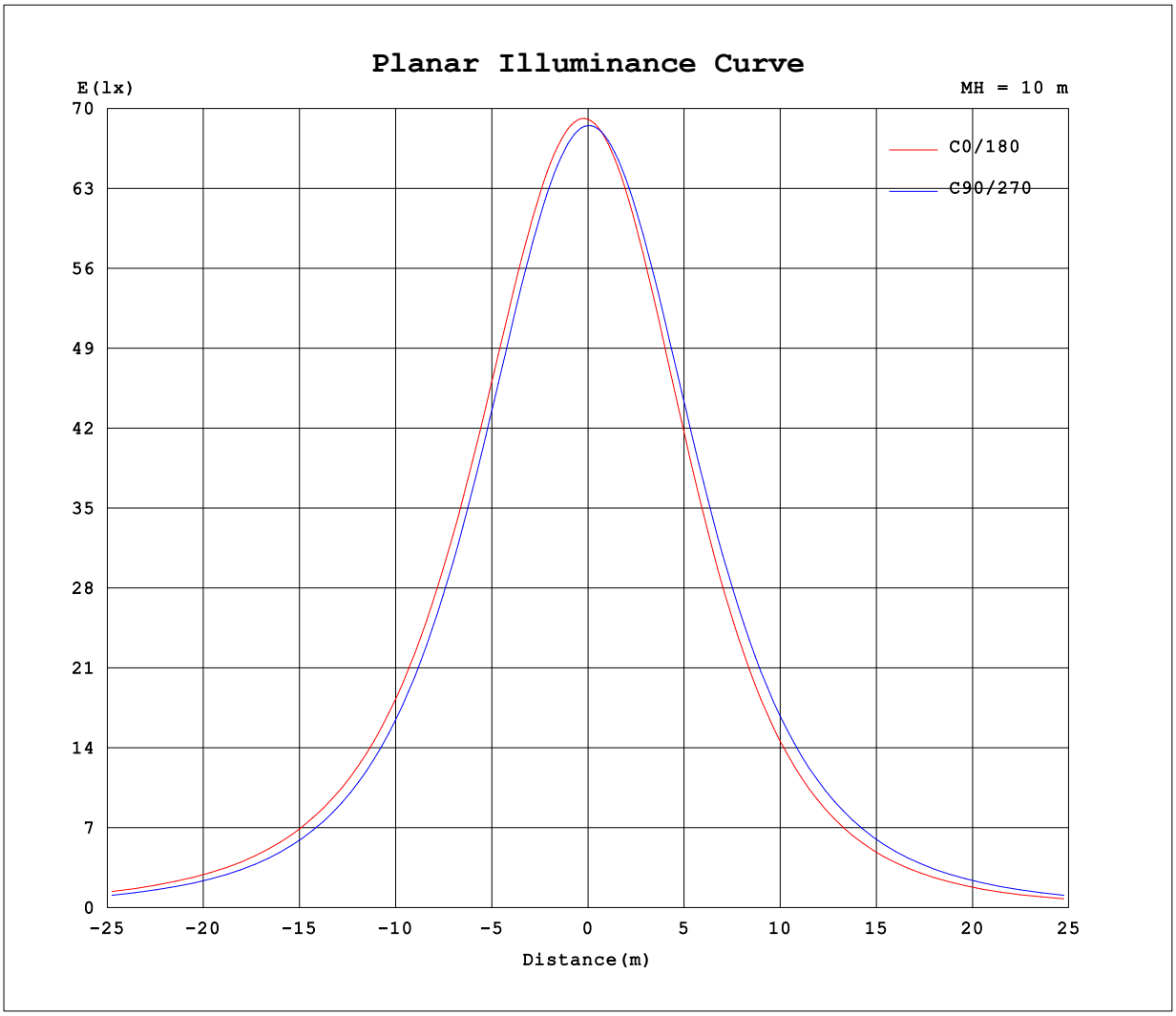
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.37V I:0.8197A P:176.03W PF:0.9789 Freq:50.00Hz Lamp Flux:22915.59x1 lm		
NAME: LSLH-175W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:LSLH-170W
MFR.: LSLH	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	6907	6890	6867	6852	6845	6849	6907	6890	6867	6852	6845	6849
5	6934	6911	6865	6814	6767	6748	6826	6816	6820	6841	6873	6898
10	6908	6882	6814	6729	6639	6592	6690	6687	6720	6781	6852	6896
15	6829	6801	6715	6594	6459	6380	6496	6500	6565	6668	6779	6841
20	6697	6669	6565	6409	6226	6112	6243	6254	6354	6501	6653	6734
25	6509	6482	6362	6170	5937	5784	5931	5947	6082	6275	6471	6571
30	6264	6239	6103	5874	5592	5401	5557	5578	5746	5987	6228	6349
35	5957	5939	5787	5523	5190	4966	5129	5152	5350	5634	5922	6066
40	5595	5580	5415	5116	4740	4483	4651	4675	4897	5221	5553	5722
45	5178	5169	4990	4660	4246	3965	4131	4153	4393	4751	5124	5320
50	4708	4706	4514	4159	3714	3416	3581	3600	3849	4233	4641	4865
55	4197	4199	3999	3621	3158	2848	3012	3024	3276	3676	4113	4361
60	3651	3657	3449	3058	2585	2273	2432	2437	2685	3091	3547	3818
65	3080	3091	2876	2480	2009	1705	1856	1854	2090	2491	2959	3246
70	2500	2512	2296	1902	1446	1159	1298	1287	1508	1894	2359	2659
75	1920	1933	1719	1338	911	644	770	754	956	1315	1766	2070
80	1351	1368	1161	807	419	181	285	268	443	770	1194	1490
85	814	831	640	326	48.3	20.6	19.8	21.1	21.6	277	658	937
90	322	338	178	20.3	22.2	23.5	22.5	23.9	22.7	21.0	176	428
95	19.3	20.0	21.0	22.6	25.3	27.0	26.2	27.4	25.6	23.2	21.5	44.1
100	21.8	22.4	23.6	25.8	28.7	30.7	30.0	31.1	28.9	26.2	23.8	22.6
105	25.5	26.0	26.9	29.6	32.4	34.4	33.9	34.8	32.5	29.7	26.9	25.9
110	30.6	30.9	31.6	34.2	37.3	39.3	38.5	39.5	36.9	34.0	31.3	30.4
115	36.4	36.5	37.1	39.5	43.0	45.0	43.6	44.7	42.0	38.6	36.1	35.4
120	41.3	41.3	41.7	43.9	47.3	50.0	48.3	49.5	46.4	42.9	40.7	39.9
125	45.7	45.6	46.0	47.4	50.8	54.7	51.8	53.1	49.2	45.7	44.1	43.2
130	49.4	49.1	49.5	50.5	53.8	58.1	55.1	56.3	51.6	48.2	47.0	46.2
135	52.3	52.1	52.2	53.0	56.0	60.2	57.6	58.4	53.8	50.6	49.5	49.0
140	55.1	55.4	55.0	55.5	58.2	61.0	59.6	59.9	55.9	53.0	52.2	52.1
145	57.9	58.3	58.0	58.0	60.5	62.5	61.9	60.0	58.3	55.5	55.0	55.1
150	60.5	61.4	61.2	60.8	63.1	61.8	64.5	61.4	60.7	58.2	58.0	58.0
155	63.4	64.8	64.5	63.9	65.4	63.7	67.2	61.9	63.4	61.3	61.1	61.2
160	66.0	68.5	67.5	65.9	67.5	69.1	70.3	67.0	66.1	64.0	64.4	64.9
165	69.0	72.1	69.8	67.6	69.2	71.5	73.9	71.9	68.7	66.2	67.1	68.7
170	71.5	74.1	70.6	68.6	69.9	72.9	76.4	73.6	70.5	68.0	68.8	71.6
175	71.4	71.3	67.5	66.1	66.8	70.2	74.0	72.1	68.9	66.9	67.4	70.6
180	67.9	66.9	63.4	62.1	62.4	65.5	67.9	66.9	63.5	62.1	62.4	65.5

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:H
Test Date:2025-07-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:4.430m [K=1.0000]
Remarks:

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Energy Saving SkyRaft

CASAMBI



https://casambi.com https://casambi.com/news/casambi-tutorial-videos/

CASAMBI

Casambi
App overview

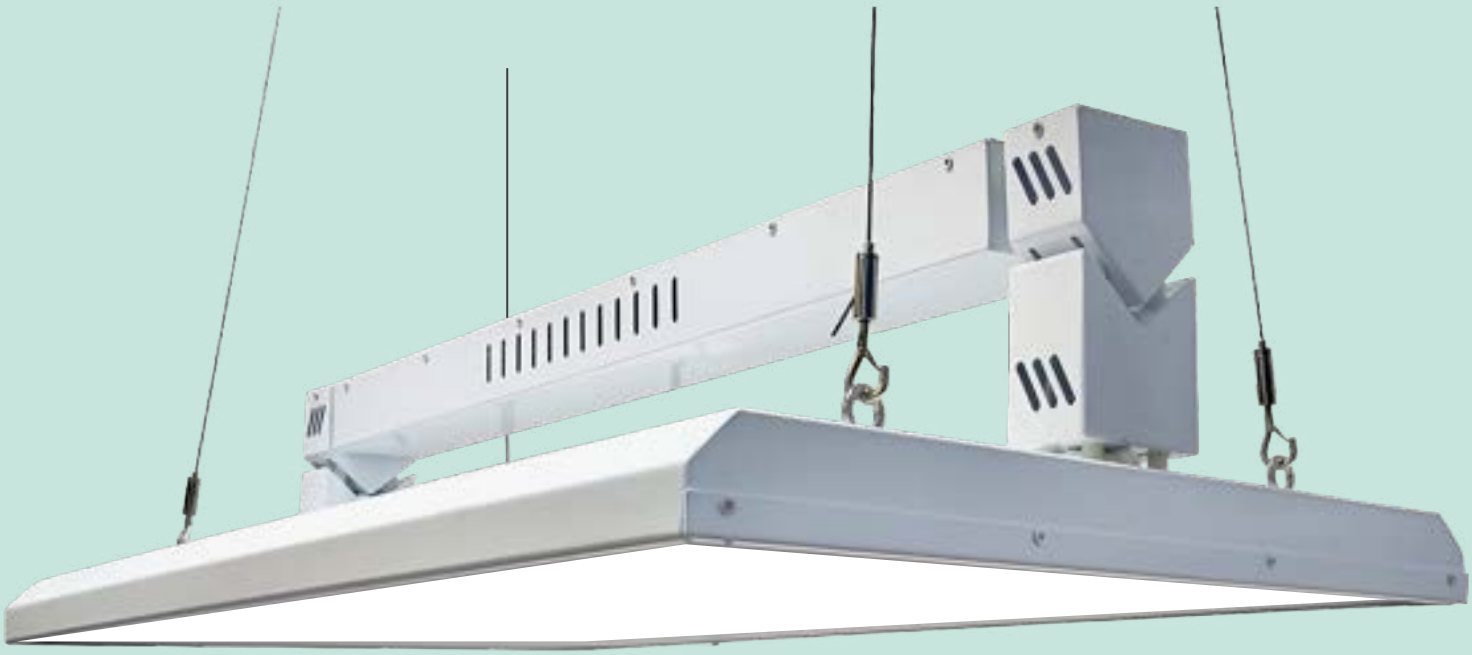


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CASAMBI is trademark of Casambi Technologies Oy / Inc.

Energy Saving

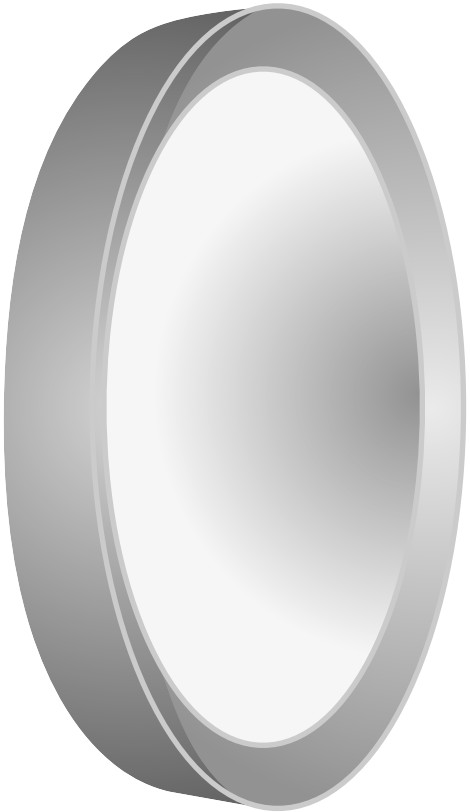
SkyRaft

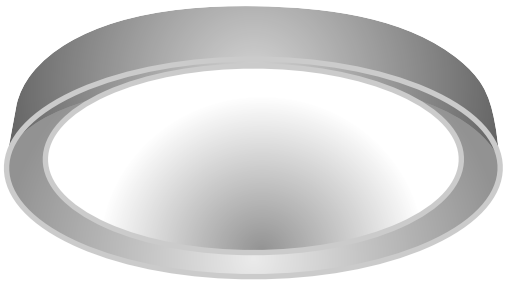


The best for the most with the least

Ray Eames

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OPTIM•AL

10 Year

Guarantee

A C G

Energy

Product Code

OPDREFE2400N34565UKEU
OPDREFE2400N34565MSUKEU
OPDREFE2400N34565EMUKEU
OPDREFE2400N34565EMMSUKEU

DREADNOUGHT Series

3 sizes, microsensor, dimmable, DALI, EM

Uses

Airports
Railway stations
Sports stadiums
commercial
and residential
installations

Certifications

UKCA CE TUV VDE
RoHS UL CUL
IP 67, IK 10, EN 62262
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Die cast in 'thin wall' stainless steel 304

Lumens 3000-5000-8000k

Watts 20, 30 or 50

CCT 3/4/5/6K switchable

CRI 80

Driver Inventronic 10 year guarantee, dim, MS, EM version, 3 hour 20% output 3-year life. Li-ion batteries 1 for 30 cm, 2 for 50 cm and 3 for 80 cm diameter

Projection 50, 60, 80mm

Surface Ceiling or Wall

Lens Super tough convex Gorilla glass

Dimensions 30, 50, 80 cm diameter

All information © Allom Architectural Lighting ltd. 2026 E&OE



OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPDREFE2400N34565UKEU
OPDREFE2400N34565MSUKEU
OPDREFE2400N34565EMUKEU
OPDREFE2400N34565EMMSUKEU

DREADNOUGHT
Bulkhead Full

Batteries
3 year rating
3 year performance

Uses

Airports
Railway stations
Sports stadiums
commercial
and residential
installations

Certifications

UKCA CE TUV SELV
RoHS UL Recolight
IP 67/IK 10
Trademark **OPTIM•AL**
Design copyright
Studio FPM
Energy Label **E**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Die cast in 'thin wall' stainless steel 304

Lumens 2400

Watts 20

CCT 3/4/5/6K switchable

CRI 80

Driver PF90

Types On-off; plus micro-wave sensor; or emergency 3 hour Lithium Ion batteries; battery life rating 3 years

Surface Ceiling or Wall

Lens Super tough convex Gorilla glass

Dimensions 350mm dia x 107mm

Service Life 60000 hours

All information © Allom Architectural Lighting ltd. 2026 E&OE



OPTIM•AL

10 Year

Guarantee

Energy

Product Code

OPDREHE240020N34565UKEU
OPDREHE240020N34565MSUKEU
OPDREHE240020N34565EMUKEU
OPDREHE240020N34565EMMSUKEU

DREADNOUGHT
Bulkhead Half

Batteries
3 year rating
3 year performance

Uses

Airports
Railway stations
Sports stadiums
commercial
and residential
installations

Certifications

UKCA CE TUV SELV
RoHS UL Recolight
IP 67/IK 10
Trademark **OPTIM•AL**
Design copyright
Studio FPM
Energy Label **E**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Die cast in 'thin wall' stainless steel 304

Lumens 2400

Watts 20, lumens/watt 120

CCT 3/4/5/6K switchable

CRI 80

Driver PF90

Types On-off; plus micro-wave sensor; or emergency 3 hour Lithium Ion batteries; battery life rating 3 years

Surface Ceiling or Wall

Lens Super tough convex Gorilla glass

Dimensions 350mm dia x 107mm

Service Life 60000 hours

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

Energy

Product Code

OPPROTRACC24003N159003UKEU
OPPROTRACC24003N159004UKEU
OPPROTRACC24003N15POLUKEU

FIXED BEAM
Track 15º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 15 degrees, super optic lenses

Dimensions 180mm long, 80mm dia.

Euro track 3 channels, 1 or 2 metres

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

Energy

Product Code

OPPROTRACC24003N249003UKEU
OPPROTRACC24003N249004UKEU
OPPROTRACC24003N24POLUKEU

FIXED BEAM
Track 24º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 24 degrees, super optic lenses

Dimensions 180mm long, 80mm dia.

Euro track 3 channels, 1 or 2 metres

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

Energy

Product Code

OPPROTRACC24003N369003UKEU
OPPROTRACC24003N369004UKEU
OPPROTRACC24003N36POLUKEU

FIXED BEAM
Track 36º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 36 degrees, super optic lenses

Dimensions 180mm long, 80mm dia.

Euro track 3 channels, 1 or 2 metres

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

Energy

Product Code

OPPPROCCL24003N159003UKEU
OPPPROCCL24003N159004UKEU
OPPPROCCL24003N15POLUKEU

FIXED BEAM
Ceiling Plate 15º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 15 degrees, super optic lenses

Dimensions 180mm long, 80mm dia. Ceiling plate 120mm dia., with rapid 3 pole connector Cut out 100mm dia.

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

A↑G C

Energy

Product Code

OPPPROCCL24003N249003UKEU
OPPPROCCL24003N249004UKEU
OPPPROCCL24003N24POLUKEU

FIXED BEAM
Ceiling Plate 24º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 24 degrees, super optic lenses

Dimensions 180mm long, 80mm dia. Ceiling plate 120mm dia., with rapid 3 pole connector Cut out 100mm dia.

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Energy Saving

Projector

OPTIM•AL



10 Year

Guarantee

A C G

Energy

Product Code

OPPPROCCL24003N369003UKEU
OPPPROCCL24003N369004UKEU
OPPPROCCL24003N36POLUKEU

FIXED BEAM
Ceiling Plate 24º

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

VDE TUV CE Rohs
Recolight NEMCO
UL CUL UKCA
ISO 9001, ISO 14001,
SEDEX, SMETA
IP 54
Patented:
DE/FR/USA/UK
Trademark **OPTIM·AL**
Design copyright
Studio FPM
Energy Label **C**

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Powder painted aluminium or polished and natural anodized Aluminium White RAL 9003 and Black RAL 9004

Lumens 2400

Watts 15 watts, 230 volts

Lumens/Watt 160 lumens/watt

CCT 3000K with 2-Step MacAdam

CRI 90

Driver Tridonic, PF 97 Non dimmable, 97-277v

Beam Angle 36 degrees, super optic lenses

Dimensions 180mm long, 80mm dia. Ceiling plate 120mm dia., with rapid 3 pole connector Cut out 100mm dia.

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Photography: Elizabeth Brown

Photographed at Woolsthorpe Manor, the birthplace of Sir Isaac Newton with the actual tree in the background courtesy of the National Trust.

Isaac Newton (1643 - 1727)



Newton was an English physicist and mathematician and the greatest scientist of his era.

Isaac Newton was born on 4 January 1963 at Woolsthorpe Manor, Lincolnshire. In 1661, he went to Cambridge University where he became interested in mathematics, optics, physics and astronomy. In October 1665 a plague epidemic forced the university to close and Newton returned to Woolsthorpe Manor. The two years he spent there were an extremely productive time during which he began to think about gravity, and also devoted time to optics and mathematics.

In 1667 Newton returned to Cambridge, where he became a Fellow of Trinity College. It was Newton's reflecting telescope, made in 1668, that finally brought him to the attention of the scientific community and in 1672 he was made a Fellow of the Royal Society. From the mid 1660's Newton conducted a series of experiments on the composition of light, discovering that white light is composed of the same system of colours that can be seen in a rainbow and establishing the modern study of optics. In 1704 Newton published 'The Opticks' which dealt with light and colour.

However, in 1687, with the help of the astronomer Edmond Halley, Newton published his single greatest work, the 'Philosophiae Naturalis Principia Mathematica' ('Mathematical Principles of Natural Philosophy').
This showed how a universal force, gravity, applied to all objects in all parts of the universe.

In 1703 he was elected President of the Royal Society, an office he held until his death. He died on 31 March 1727 and was buried in Westminster Abbey. He was 84 years old.






Newton

OPTIM•AL



10 Year

Guarantee

Energy

Product Code

OPNEWT804B11103D60UKEU

NEWTON 804

Allom Cool Head Technology™

Uses

Retail
Museums
Showrooms

Certifications

UKCA UL CE
VDE TUV
Patented:
DE/FR/USA/UK
Design copyright
Giancarlo Fassina
Carlo Forcolini
Studio FPM
Energy Label **C**
Trademark
OPTIM·AL

Specifications

Guarantee 10 years warranted and insured by Lloyd's of London

Material Hand polished top grade Australian aircraft aluminium head clear lacquered and base plated, arms anodised

Lumens 1280

Watts 8 watts

Lumens/Watt 160 lumens/watt

CCT 3000K

CRI 90

Driver 10 Watt Universal Driver 97-277v dimmable

Beam Angle 7 x (2 x 30°) TIR reflectors (60°) super reflective

Dimensions Arms both 360mm

Service Life 60000 hours/10 years

All information © Allom Architectural Lighting ltd. 2026 E&OE

Newton

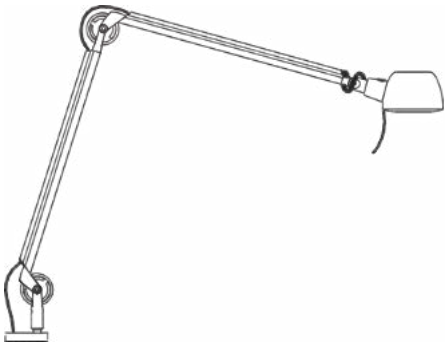
OPTIM•AL

10 Year
Guarantee

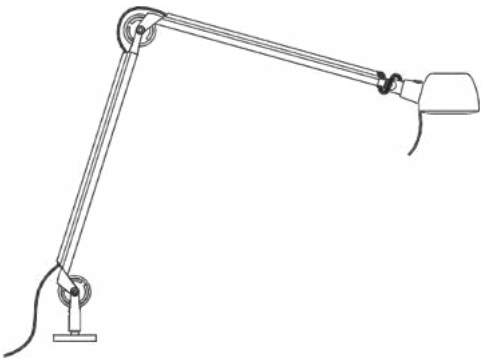
A G C
Energy

Product Code

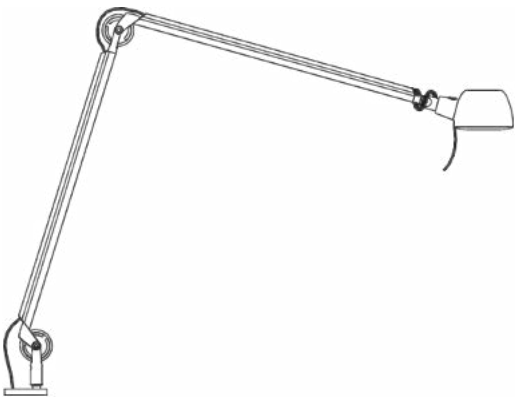




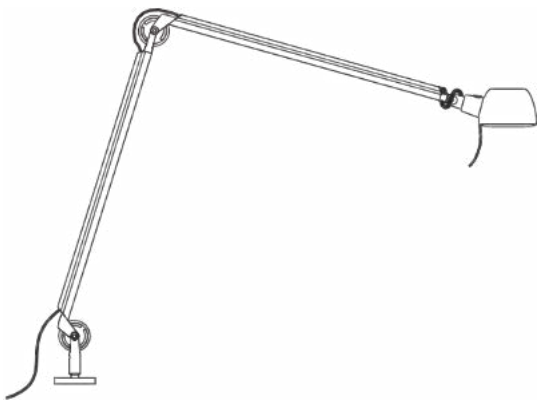
804 36 in
mini desk top
£ 355
OPNEWT804IN36B11103D60UKEU



804 36 out
mini desk top
£ 355
OPNEWT804OUT36B11103D60UKEU



805 46 in
desk top
£ 375
OPNEWT805IN46B11103D60UKEU



805 46 out
desk top
£ 375
OPNEWT805OUT46B11103D60UKEU

All information © Allom Architectural Lighting ltd. 2026 E&OE

Newton

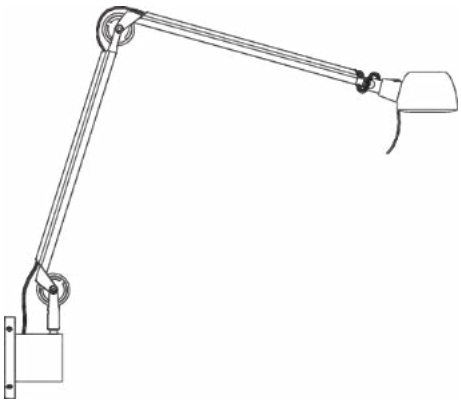
OPTIM•AL

10 Year
Guarantee

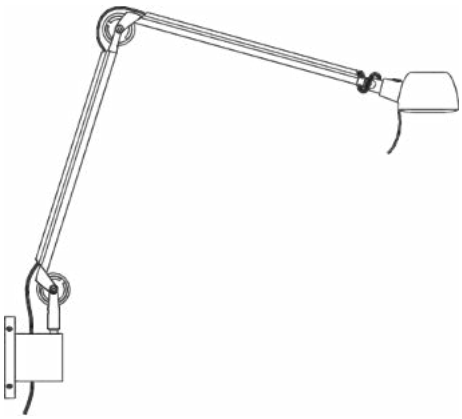
A G C
Energy

Product Code

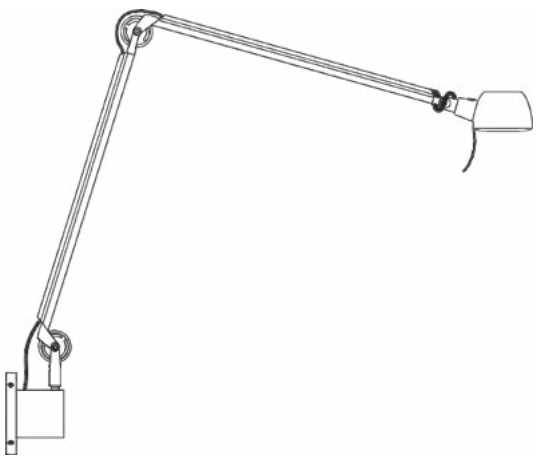




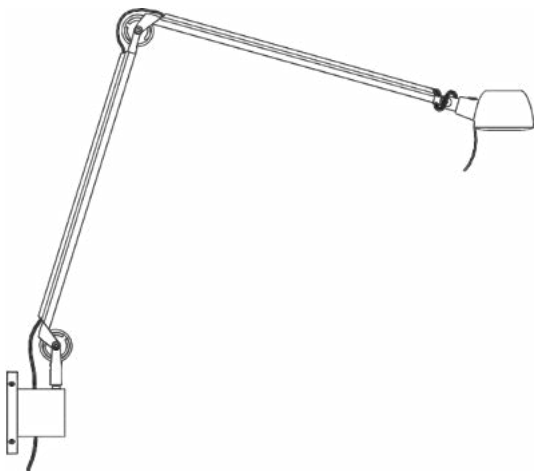
803 36 in
wall two arm
£ 365
OPNEWT803IN36B11103D60UKEU



803 36 out
wall two arm
£ 365
OPNEWT803OUT36B11103D60UKEU



803 46 in
wall two arm
£ 395
OPNEWT803IN46B11103D60UKEU



803 46 out
wall two arm
£ 395
OPNEWT803OUT46B11103D60UKEU

All information © Allom Architectural Lighting ltd. 2026 E&OE

Newton

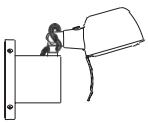
OPTIM•AL

10 Year
Guarantee

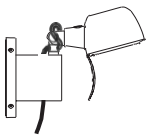
A↑G C
Energy

Product Code

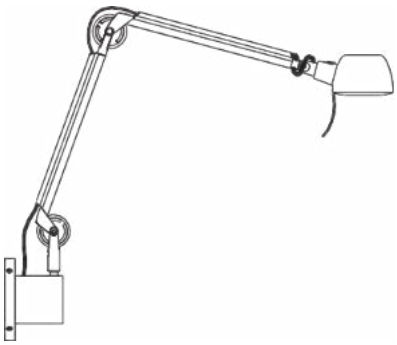




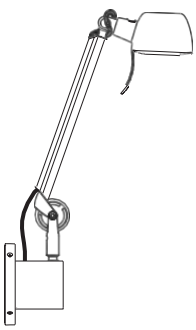
800 in
wall
£ 295
OPNEWT800INB11103D60UKEU



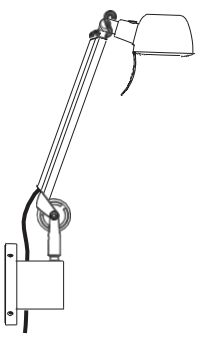
800 out
wall
£ 295
OPNEWT800OUTB11103D60UKEU



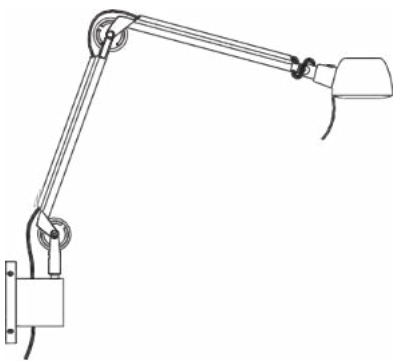
802 25 in
two arm
£ 345
OPNEWT802INB11103D60UKEU



801 in
wall one arm
£ 325
OPNEWT801INB11103D60UKEU



801 out
wall one arm
£ 325
OPNEWT801OUTB11103D60UKEU



802 25 out
wall two arm
£ 345
OPNEWT802OUTB11103D60UKEU

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Newton

OPTIM•AL

10 Year

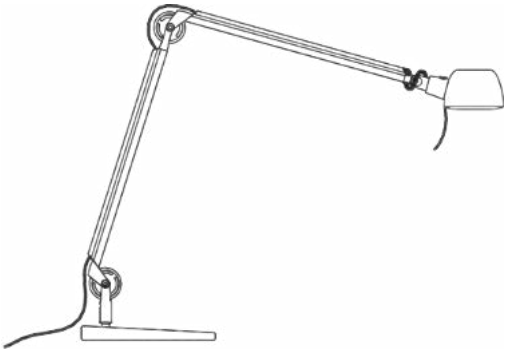
Guarantee

A G C

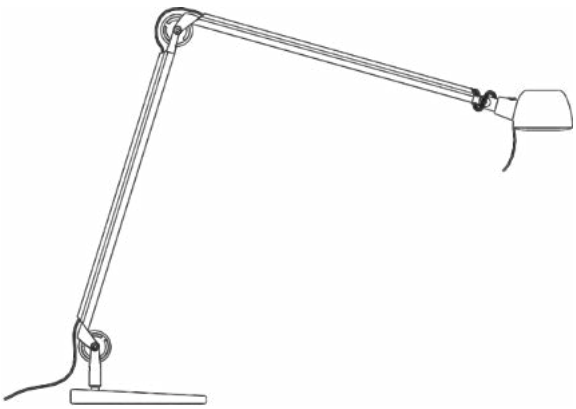
Energy

Product Code





804 36
Mini table
£ 395
OPNEWT804B11103D60UK
OPNEWT804B11103D60EU



805 46
Table
£ 425
OPNEWT805B11103D60UK
OPNEWT805B11103D60EU



806 100 46
Floor
£ 495
OPNEWT806B11103D60UK
OPNEWT806B11103D60EU

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EVCP.



Electrical Vehicle Charging Point

EVCP.

Specifications

OPTIM•AL

8 Year Guarantee

- 2 x 22kw, 2 x 55kw and 2 x 110kw AC 3 phase twin sockets and card readers
- RFID card/fob via OCCP management systems
- IP67 all weathers
- IK10 very robust structure with black nylon dampening seals and black nylon ribbon strips to all edges to dampen vibration
- 8 year guarantee, insured and certificated by Lloyds of London
- BSI tested and certificated, UKAL, CE, VDE, TUV, (UL and CUL later if required)
- 1300mm high x 420mm wide and 270mm deep
- Two Stainless Steel 304 pressed top and ribbed base plates 3mm thick to connect to the NAL inground
- Stainless Steel 304 body with many cutouts and welds for NAL fixing with 2 x M10 hexagon head bolts meter, 1 x twin card reader and 2x Mennekes charging sockets.
- Access panel covers 650mm high and 300mm wide to cover hole 600mm high and 250mm wide with black nylon ribbon 1mm thick all round inside of panel cover, secured with 8 x M8 stainless steel 304 bolts coated in black oxide & TORX security socket heads.
- E/driver Pay-to-charge smartphone integration
- Built in AC overload protection
- On board RFID readers and GPRS modem with antenna and ethernet connections
- OCCP-6 compliant, can integrate with any back office and remote firmware updates
- Type 2 (IEC 62196) 3 phase sockets c/w security hatchlocks
- Smart App/RFID controlled Mode 3 (IEC 61851-1) fast charging
- Painted with titanium epoxy powder RAL 9004, other colours by arrangement, on top of silicon dioxide
- Total of 52 TORX socket head M8 bolts, complete assembly with free issue TORX head wrenches

All information © Allom Architectural Lighting ltd. 2026 E&OE

EVCP. **Electronic data**

OPTIM•AL

8 Year Guarantee

Charging Socket(s): 2 x IEC 62196-2 (Type 2) with illumination

Rated system output:

- 3.6 kW (16A), 7.2 kW (32A), and 22 kW
- Standby power consumption < 7w per socket

Input Voltage: 400V AC/50Hz (Single phase)

Overload & Fault Current Protection:

- Built in AC overload & Fault current protection (RCBO)
- Built in 6mA DC leakage protection
- Lightening surge protection
- TruePEN PME fault detection
- Support for dynamic load balancing & static load management
- Over-air software update/monitoring,
- Over temperature protection.

Street Connection: 5 x 50mm 3P + N + E

Energy Monitoring:

- Built in class 1 MID compliant kWh meter,
- Built in time clock for charge time management.

Charging Mode: IEC 61851-1 Mode 3

User interfacing:

- Plug and Charge Mobile App & RFID controlled
- Contactless payment systems interface
- Integrated RFID & GUI system panel

Communications:

- 4G LTE Cat-1
- Wi-Fi
- Ethernet connectivity
- Bluetooth BLE 4.1
- Encryption level TLS 1.2
- Open source card readers

Compliance:

OCPP compliant

BS 7671:2018 - SECTION 722 compliant.

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Products - All with 10 year guarantee

Series S		**Series 30**	
S	Wall and ceiling light	31	Wall and ceiling light
FS	Single floor light	31T	Tronic wall and ceiling light
FS2	Twin floor light	31/50	Ceiling light
SS	Wall and ceiling light	31/2x50	Twin ceiling light
FSS	Single floor light	33/50	Single footlight
FSS2	Twin floor light	33/2x50	Twin footlight
Series A		**Series 40**	
A	Wall and ceiling light	41	Wall and ceiling light
A/SW	Switched wall light	41/2	Twin ceiling light
TA	Table light	41/4/1m	Four lamp ceiling light
FA	Single floor light	41/6/1.5m	Six lamp ceiling light
FA2	Twin floor light		
Series 20		**Series 200**	
21	Wall and ceiling light	201	Wall and ceiling light
21T	Tronic wall and ceiling light	201/SW	Switched wall light
21/50	Single ceiling light	201/2	Twin ceiling light
21/2x50	Twin ceiling light	201/3	Triple ceiling light
23/50	Single footlight	201/4	Four lamp ceiling light
23/2x50	Twin footlight	201/6/1.5m	Six lamp ceiling light
25/50	Table light	205	Table light
26/50	Floor light	206	Floor light
Downlights		**GU10**	
Downlight	IP20 Ceiling light	GU10	5 or 7 watt, dim or non dim
Downlight	IP65 Bathroom light	GU10	8.5, 1110 lumen, 63mm diameter

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Series S

AL



S	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	150mm projection
Weight	305 grams
Lamp	R95 LED
CCT	3000K
CRI	80
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series S

AL



FS	Single floor light
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3700 grams
Lamp	R95 LED
CCT	3000K
CRI	80
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series S

AL



FS2	**Twin floor light**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3950 grams
Lamp	R95 LED
CCT	3000K
CRI	80
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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A	Ceiling light
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	150mm projection
Weight	360 grams
Lamp	R95, LED, E27
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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A/SW	**Wall light**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	150mm projection
Weight	360 grams
Lamp	R95, LED, E27
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

All information © Allom Architectural Lighting ltd. 2026 E&OE

Series A

AL



TA	Table lamp
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	550mm height
Weight	1850 grams
Lamp	R95, LED, E27
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

All information © Allom Architectural Lighting ltd. 2026 E&OE

Series A



FA	**Single floor light**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3850 grams
Lamp	R95, LED, E27
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

All information © Allom Architectural Lighting ltd. 2026 E&OE



FA2	Twin floor light
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	4250 grams
Lamp	R95, LED x 2, E27
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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21	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	140mm projection
Weight	210 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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21T	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	140mm projection
Weight	355 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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21/50	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	180mm projection
Weight	900 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 20

AL



21 2x 50	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	220mm projection
Weight	1613 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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23/50 Single footlight

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	180mm height
Weight	1226 grams
Lamp	GU 5.3
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 20

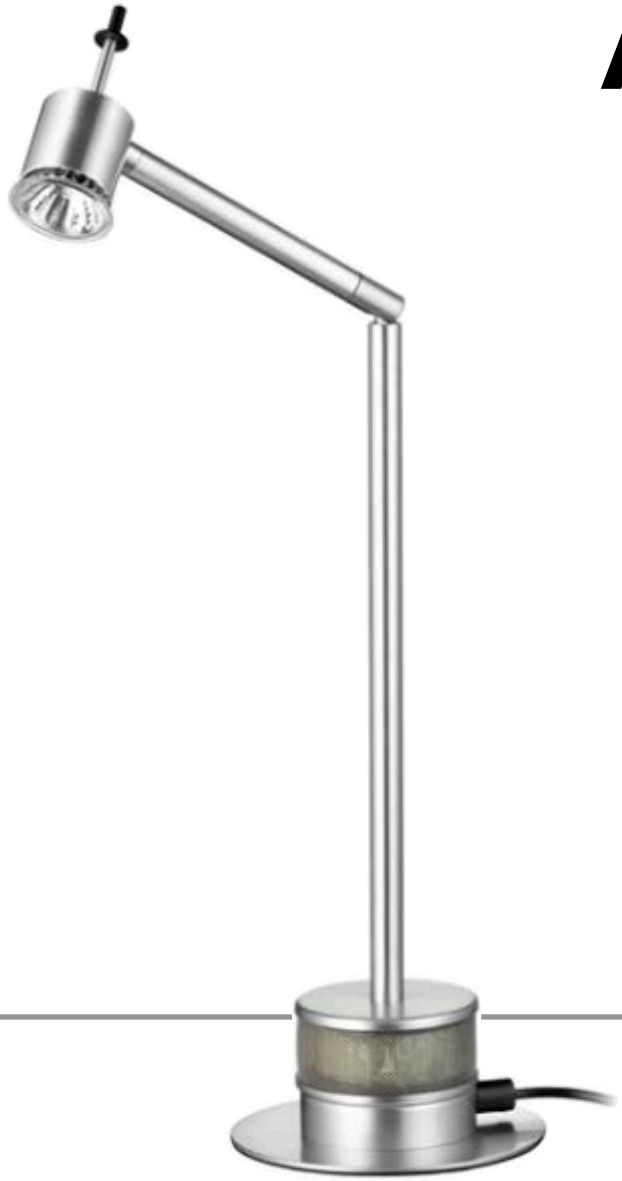


23/2x50	**Double footlight**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	220mm height
Weight	1900 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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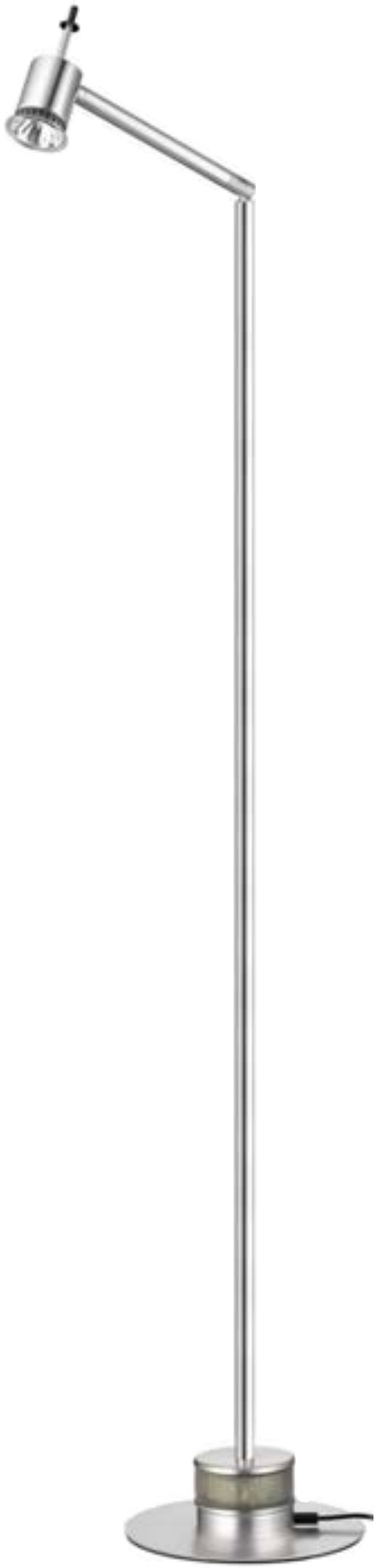
Series 20

AL



25/50	**Table light**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	575mm height
Weight	1400 grams
Lamp	GU 5.3MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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26/50 Floor light

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	1275mm height
Weight	1650 grams
Lamp	GU 5.3 MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 30

AL



31	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	73
Dimensions	130mm projection
Weight	230 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	25 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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31T	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	130mm projection
Weight	410 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	25 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 30

AL



31/50	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	170mm projection
Weight	955 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	25 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 30

AL



31/2 x 50	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	220mm projection
Weight	1615 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 40

AL



41	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	14-8
Lumen/Watts	60
Dimensions	100mm projection
Weight	220 grams
Lamp	AR111 AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 40

AL



41/2	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	170mm width
Weight	445 grams
Lamp	AR111 AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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41/4	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	1000mm width
Weight	1370 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 40

AL



41/6	**Ceiling or wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	1500mm width
Weight	2000 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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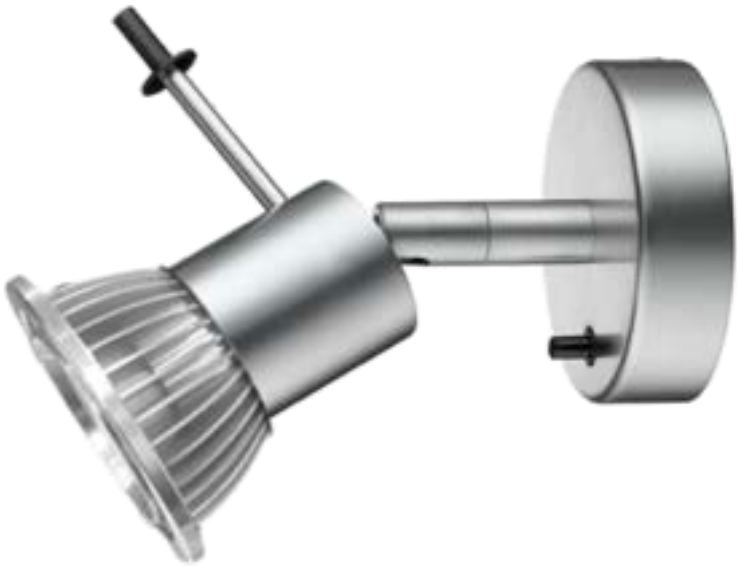
Series 200

AL



201	**Wall and ceiling light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	150mm projection
Weight	215 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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201/SW	**Switched wall light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	150mm projection
Weight	220 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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201/2	**Twin ceiling light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	170mm projection
Weight	435 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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201/3	**Triple ceiling light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	280mm width
Weight	620 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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201/4	**Four spot ceiling light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	1000mm width
Weight	1350 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Series 200

AL



201/6	**Six spot ceiling light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	1500mm width
Weight	1970 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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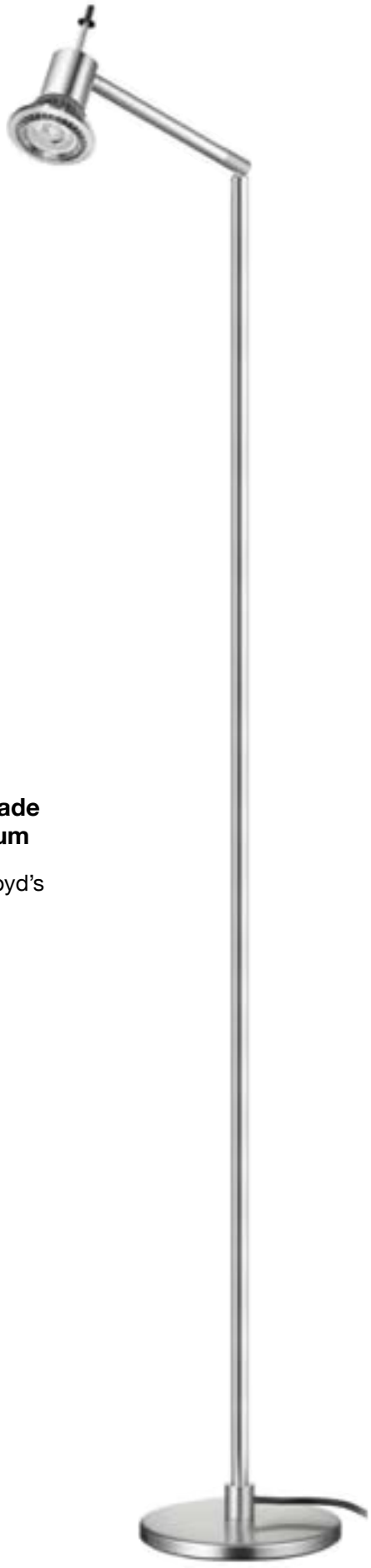
Series 200

AL



205	**Table light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	E
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	690mm height
Weight	2180 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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206	**Floor light made from aircraft grade hand polished anodised aluminium**
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	1450mm height
Weight	3605 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

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Downlight

AL

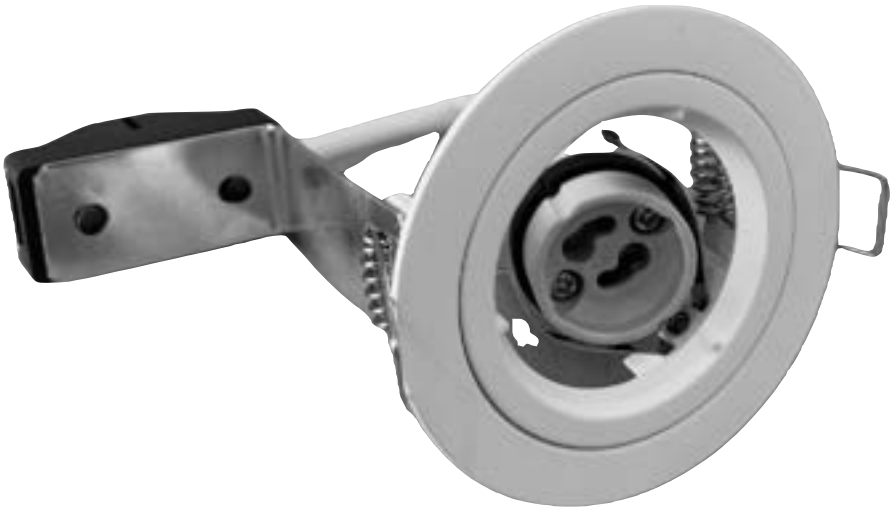


Downlight	**Round white bathroom downlight**
Guarantee	10 years warranted and insured by Lloyd's of London
Lumens	450 or 630
Watts	5 or 7 GU10 dim or non-dim
Dimensions	Dia. 85mm, Height 73mm
Cut out	75mm
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Glass	Clear or Opal
IP	65, Bathroom

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Downlight

AL



Downlight	**Fixed downlight - white**
Guarantee	10 years warranted and insured by Lloyd's of London
Dimensions	Dia. 80mm, Silicon 15cm cable, metal strip: Terminal block and GU10 holder
Cut out	70mm
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
IP	20, general use

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GU10

AL



GU10	Dim or non-dim
Guarantee	10 years warranted and insured by Lloyd's of London
Lumens	450 or 630
Energy label	F
Watts	5 or 7
CCT	3000K
CRI	80
Dimensions	Dia. 50mm, Height 55.5mm
Service Life	50,000 hours
Beam angle	38 degrees
Dimmable	Non dim or dimmable use Varilight V-Pro 300watt
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL

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Lighting Services we offer:

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Global technical assistance

"that which is not worth doing,
is not worth doing well"
Warren Buffett

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