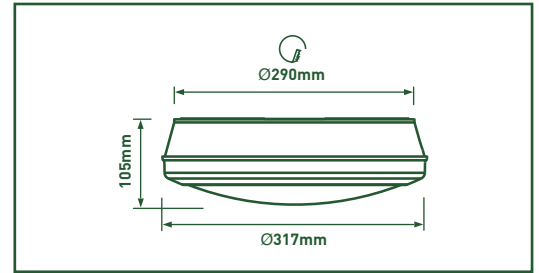
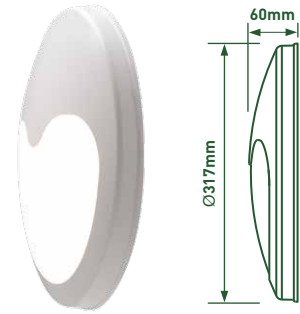


## ATLAS BULKHEAD

- Alternative to 28 watt and 38 watt TC-DD (2D) compact fluorescent
- Multiple mounting options include, ceiling surface, ceiling semi-recessed, wall mounted and provision for BESA and four side conduit entries
- Double insulated
- Microwave presence detector switches the output to 10% in "corridor function" standby mode or 0%, selectable during installation
- Microwave version includes photocell for dusk-till-down switching option
- Integral driver



**LBH154APE** - Plastic Eyelid Cover  
Replaces cover, suitable for use with **LBH154K**, **LBH154K3M**, **LBH154KMW**, **LBH154KMW3M**.



3 years standard and 1 year onsite warranty available in the UK. Rest of the world may vary, please ask your local distributor for more information.

CAT NO.	DRIVER	LUMINAIRE LUMENS	WATTAGE	EFFICACY Lm/W
LBH154K	Standard	1250	17W	75
LBH154K3M	3hr Emergency	1250	19W	66
LBH154KMW	Microwave sensor	1250	18W	69
LBH154KMW3M	Microwave & Emergency	1250	20W	64
LBH214K	Standard	2100	24W	88
LBH214K3M	3hr Emergency	2100	26W	81
LBH214KMW	Microwave sensor	2100	25W	84
LBH214KMW3M	Microwave & Emergency	2100	27W	78

### CONTINUED

#### STANDARDS

EN 60598-1	Luminaires - General requirements
EN 60598-2-1	Luminaires - Fixed
EN 60598-2-2	Luminaires - Recessed
EN 60598-2-22	Luminaires - Emergency
EN 61347-1	Lamp controlgear - Part 1: General and safety requirements
EN 61347-2-13	Lamp controlgear - Part 2-13 : Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547	Equipment for general lighting purposes - EMC immunity requirements
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - for harmonic current emissions
EN 62471	Photobiological safety of lamps and lamp systems
2002/96/EC	Waste Electrical & Electronic Equipment (WEEE)
2011/65/EU	Restriction of the use of certain Hazardous Substances in EEE (RoHS)
(EC) No 1907/2006	The Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

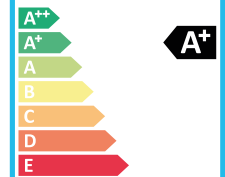


RoHS



**LUCECO**

The luminaire contains built-in LED lamps.



The lamps cannot be changed in the luminaire.

874/2012



Tech Help Line

UK - **03300 249 279**

Non UK - **+44 (0)1952 238 100**

Supplied by Nexus Industries Ltd

Nexus Distribution Centre, Stafford Park 1

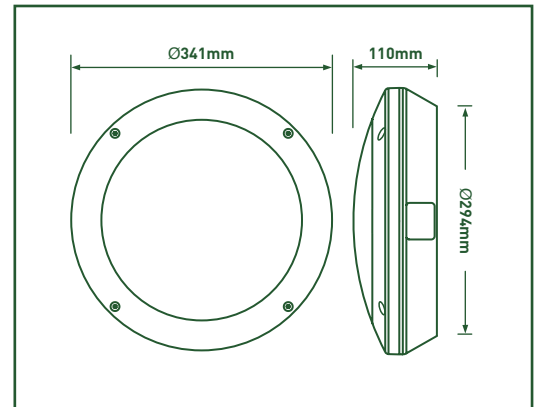
Telford, Shropshire, TF3 3BD

Visit our website at

**www.luceco.uk**

## ATLAS ACCESSORIES

- For use with Atlas bulkhead (order bulkhead separately)
- Comes with front and back covers and tamper proof screws, a high security screw kit is also available including special tool - LBHATK
- All die-cast aluminium accessories are finished in RAL7026 'Graphite Grey'
- Front covers can be rotated every 90°
- Access to rear BESA and four side entry points



**LBH154AMP** - Metal standard



**LBH154AMS** - Metal split eyelid



**LBH154AME** - Metal eyelid



**LBH154AMG** - Metal grille

CAT NO.	DESCRIPTION
LBH154AMP	Metal standard
LBH154AMS	Metal split eyelid
LBH154AME	Metal eyelid
LBH154AMG	Metal grille
LBHATK	High Security Kit

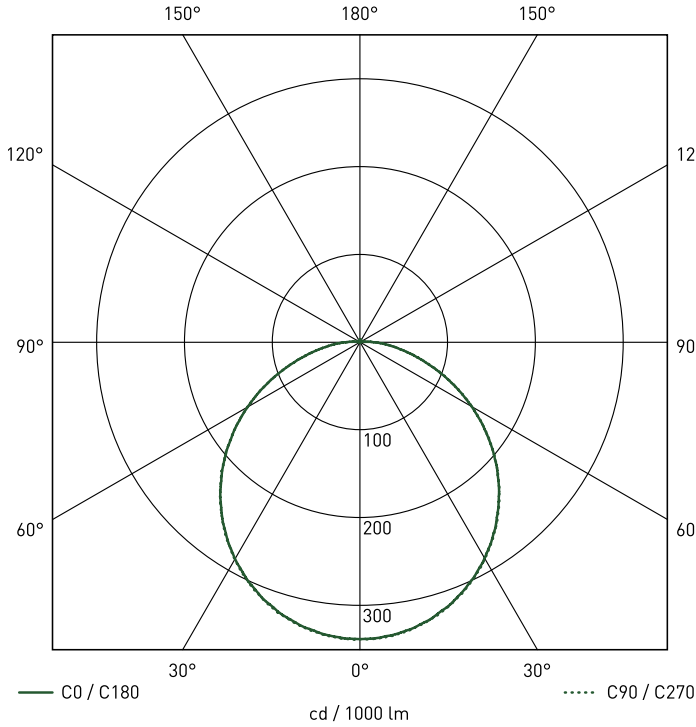
# LUCECO PHOTOMETRIC DATA

## LBH154K

### LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	85.88 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.2% ↑1.8%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	1374 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	22.1 / 22.8	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	338	338	338
10°	332	333	332
20°	313	314	314
30°	284	285	285
40°	245	246	246
50°	199	200	200
60°	147	148	148
70°	93	94	94
80°	47	47	47
90°	16	16	16
100°	2	2	3
110°	1	1	1
120°	2	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

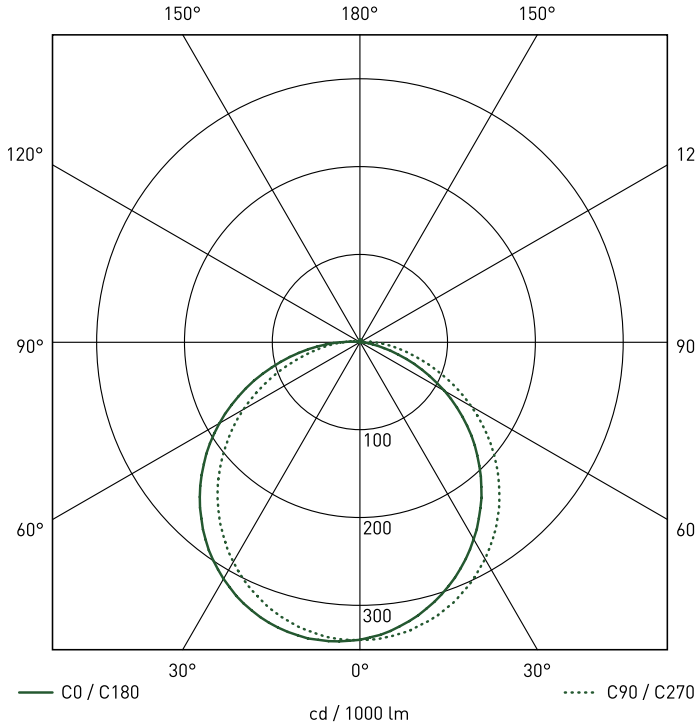
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	18.1	19.7	18.5	20.1	20.4	18.4	20.0	18.8	20.4	20.7
	3H	19.6	21.1	20.0	21.5	21.8	20.0	21.5	20.5	21.9	22.3
	4H	20.2	21.6	20.6	22.0	22.4	20.8	22.1	21.2	22.5	22.9
	6H	20.7	22.0	21.2	22.4	22.9	21.4	22.7	21.8	23.1	23.5
	8H	20.9	22.2	21.3	22.6	23.0	21.6	22.9	22.1	23.3	23.7
	12H	21.0	22.2	21.5	22.7	23.1	21.9	23.1	22.3	23.5	23.9
4H	2H	18.8	20.2	19.2	20.6	21.0	19.1	20.5	19.5	20.9	21.3
	3H	20.5	21.7	20.9	22.1	22.6	20.9	22.1	21.3	22.5	23.0
	4H	21.3	22.4	21.8	22.8	23.3	21.8	22.8	22.2	23.3	23.7
	6H	21.9	22.8	22.4	23.3	23.8	22.5	23.4	23.0	23.9	24.4
	8H	22.1	23.0	22.6	23.5	24.0	22.8	23.7	23.3	24.2	24.7
	12H	22.4	23.2	22.9	23.7	24.2	23.2	24.0	23.7	24.5	25.0
8H	4H	21.6	22.5	22.1	23.0	23.5	22.0	22.9	22.5	23.4	23.9
	6H	22.3	23.1	22.9	23.6	24.1	22.9	23.7	23.4	24.2	24.7
	8H	22.8	23.4	23.3	24.0	24.5	23.4	24.1	23.9	24.6	25.1
	12H	23.1	23.6	23.6	24.2	24.7	23.9	24.4	24.4	25.0	25.5
12H	4H	21.7	22.5	22.2	23.0	23.5	22.1	22.9	22.6	23.4	23.9
	6H	22.5	23.2	23.0	23.7	24.2	23.0	23.7	23.6	24.2	24.8
	8H	22.9	23.5	23.4	24.0	24.5	23.5	24.1	24.1	24.6	25.2

# LUCECO PHOTOMETRIC DATA

## LBH154KAPE LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	64.06 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	1025 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	20.1 / 24.3	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	339	339	339
10°	323	333	342
20°	295	314	333
30°	259	285	311
40°	215	246	279
50°	166	199	236
60°	111	147	185
70°	56	92	128
80°	15	46	71
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

REFLECTANCE OF	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

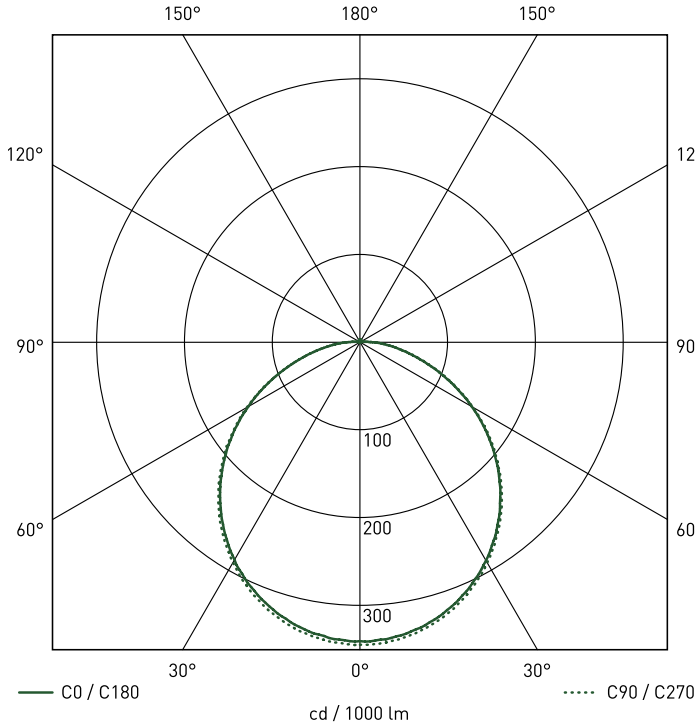
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	17.7	19.4	18.1	19.7	20.1	19.8	21.4	20.1	21.7	22.1
	3H	18.7	20.2	19.2	20.6	21.0	21.4	22.9	21.8	23.3	23.7
	4H	19.0	20.4	19.4	20.8	21.2	22.2	23.6	22.6	23.9	24.3
	6H	19.1	20.4	19.6	20.8	21.3	22.8	24.1	23.3	24.5	24.9
	8H	19.1	20.4	19.5	20.8	21.2	23.1	24.3	23.5	24.7	25.2
	12H	19.1	20.3	19.5	20.7	21.1	23.3	24.5	23.8	25.0	25.4
4H	2H	18.5	19.9	18.9	20.2	20.6	20.4	21.8	20.9	22.2	22.6
	3H	19.6	20.8	20.0	21.2	21.7	22.3	23.5	22.7	23.9	24.3
	4H	20.0	21.1	20.4	21.5	22.0	23.2	24.2	23.6	24.7	25.2
	6H	20.1	21.1	20.6	21.5	22.0	23.9	24.9	24.4	25.4	25.8
	8H	20.1	21.0	20.6	21.5	22.0	24.3	25.2	24.8	25.7	26.1
	12H	20.1	21.0	20.6	21.4	22.0	24.7	25.5	25.2	26.0	26.5
8H	4H	20.3	21.1	20.7	21.6	22.1	23.5	24.4	24.0	24.8	25.3
	6H	20.5	21.2	21.0	21.7	22.2	24.4	25.1	24.9	25.6	26.1
	8H	20.6	21.2	21.1	21.7	22.3	24.9	25.5	25.4	26.1	26.6
	12H	20.6	21.1	21.1	21.7	22.2	25.4	25.9	25.9	26.5	27.0
12H	4H	20.3	21.1	20.8	21.6	22.1	23.5	24.3	24.0	24.8	25.3
	6H	20.6	21.2	21.1	21.8	22.3	24.5	25.2	25.0	25.7	26.2
	8H	20.7	21.2	21.2	21.8	22.3	25.0	25.6	25.6	26.1	26.7

# LUCECO PHOTOMETRIC DATA

## LBH154KAMP LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	83.13 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	1330 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	21.9 / 22.6	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	340	344	340
10°	334	338	335
20°	317	320	316
30°	287	290	286
40°	248	251	247
50°	201	203	200
60°	147	149	147
70°	92	93	93
80°	45	46	46
90°	15	15	15
100°	2	2	2
110°	1	1	1
120°	1	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

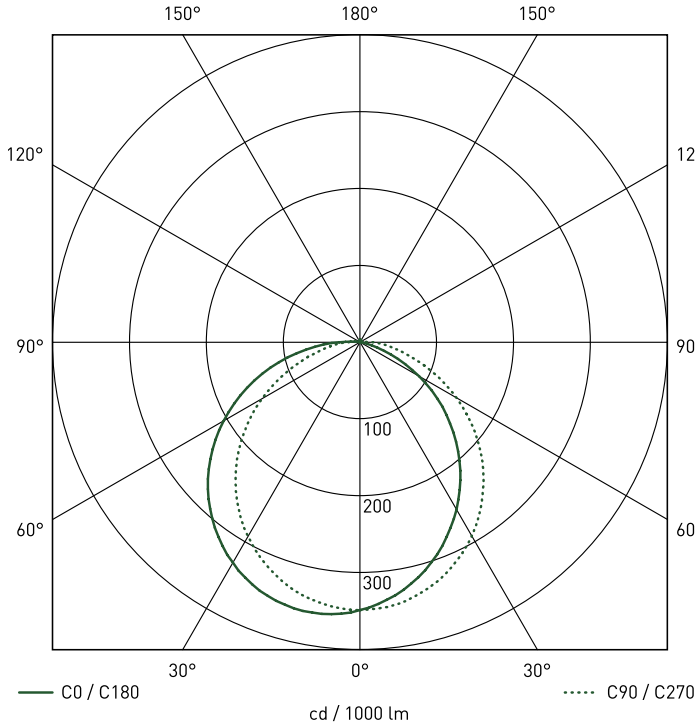
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	18.0	19.6	18.4	20.0	20.3	18.3	19.9	18.7	20.3	20.6
	3H	19.5	21.0	19.9	21.3	21.7	19.9	21.4	20.3	21.8	22.1
	4H	20.1	21.5	20.5	21.9	22.3	20.6	22.0	21.0	22.4	22.8
	6H	20.6	21.9	21.0	22.3	22.7	21.2	22.5	21.6	22.9	23.3
	8H	20.7	22.0	21.2	22.4	22.8	21.4	22.7	21.9	23.1	23.5
	12H	20.9	22.1	21.3	22.5	22.9	21.7	22.9	22.1	23.3	23.7
4H	2H	18.7	20.1	19.2	20.5	20.9	19.0	20.4	19.4	20.7	21.1
	3H	20.4	21.6	20.8	22.0	22.4	20.7	21.9	21.2	22.3	22.8
	4H	21.1	22.2	21.6	22.6	23.1	21.6	22.6	22.0	23.1	23.6
	6H	21.7	22.7	22.2	23.1	23.6	22.3	23.2	22.8	23.7	24.2
	8H	21.9	22.8	22.4	23.3	23.8	22.6	23.5	23.1	24.0	24.5
	12H	22.2	23.0	22.7	23.5	24.0	22.9	23.8	23.4	24.2	24.8
8H	4H	21.4	22.3	21.9	22.8	23.3	21.8	22.7	22.3	23.2	23.7
	6H	22.2	22.9	22.7	23.4	23.9	22.7	23.4	23.2	23.9	24.4
	8H	22.5	23.2	23.1	23.7	24.3	23.2	23.8	23.7	24.3	24.9
	12H	22.8	23.4	23.4	23.9	24.5	23.6	24.1	24.1	24.7	25.2
12H	4H	21.5	22.3	22.0	22.8	23.3	21.9	22.7	22.4	23.2	23.7
	6H	22.3	23.0	22.8	23.5	24.0	22.8	23.5	23.3	24.0	24.5
	8H	22.7	23.2	23.2	23.8	24.3	23.3	23.8	23.8	24.4	24.9

# LUCECO PHOTOMETRIC DATA

## LBH154KAMS LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	37 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	592 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	16.2 / 22.0	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	349	349	349
10°	327	342	357
20°	294	322	351
30°	252	291	331
40°	202	249	299
50°	147	200	257
60°	89	146	205
70°	33	89	146
80°	1	44	84
90°	1	15	27
100°	1	1	1
110°	1	1	1
120°	2	1	1
130°	2	2	1
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

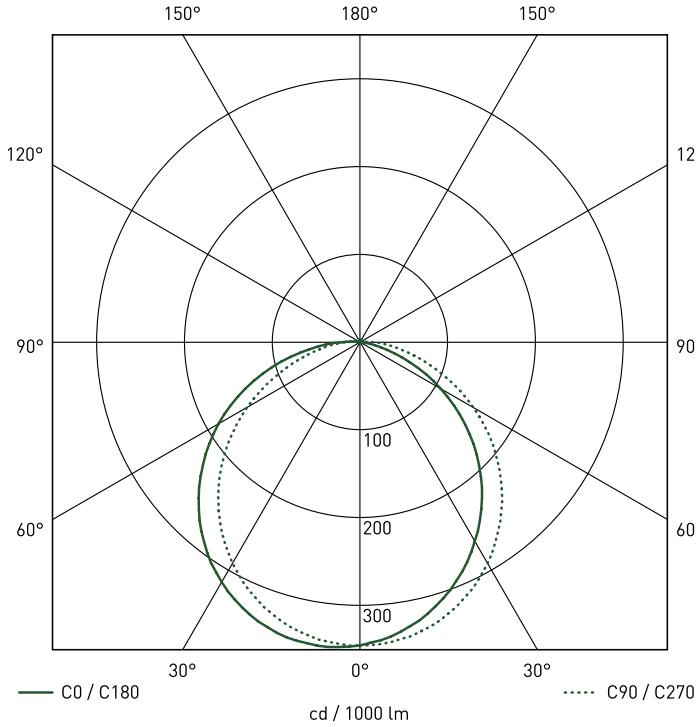
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	14.8	16.4	15.2	16.8	17.1	17.7	19.3	18.1	19.7	20.0
	3H	15.4	16.9	15.8	17.2	17.6	19.3	20.7	19.7	21.1	21.5
	4H	15.5	16.8	15.9	17.2	17.6	19.9	21.3	20.3	21.7	22.1
	6H	15.4	16.7	15.9	17.1	17.5	20.5	21.8	21.0	22.2	22.6
	8H	15.4	16.6	15.8	17.0	17.5	20.8	22.0	21.2	22.4	22.8
	12H	15.3	16.5	15.8	16.9	17.4	21.0	22.2	21.5	22.6	23.1
4H	2H	15.5	16.9	15.9	17.3	17.7	18.4	19.8	18.8	20.2	20.6
	3H	16.2	17.4	16.6	17.8	18.2	20.1	21.3	20.6	21.7	22.2
	4H	16.3	17.4	16.8	17.8	18.3	21.0	22.0	21.4	22.5	22.9
	6H	16.3	17.2	16.7	17.7	18.1	21.6	22.6	22.1	23.1	23.5
	8H	16.2	17.1	16.7	17.6	18.1	22.0	22.9	22.5	23.3	23.8
	12H	16.2	17.0	16.7	17.5	18.0	22.3	23.2	22.8	23.6	24.2
8H	4H	16.5	17.4	17.0	17.9	18.4	21.3	22.2	21.8	22.6	23.1
	6H	16.5	17.3	17.0	17.8	18.3	22.1	22.9	22.6	23.4	23.9
	8H	16.5	17.2	17.1	17.7	18.2	22.6	23.3	23.1	23.8	24.3
	12H	16.5	17.1	17.1	17.6	18.1	23.1	23.6	23.6	24.2	24.7
12H	4H	16.6	17.4	17.1	17.9	18.4	21.3	22.2	21.8	22.6	23.2
	6H	16.6	17.3	17.2	17.8	18.3	22.3	22.9	22.8	23.5	24.0
	8H	16.6	17.2	17.2	17.7	18.3	22.8	23.3	23.3	23.8	24.4

# LUCECO PHOTOMETRIC DATA

## LBH154KAME LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	53.63 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	858 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	19.2 / 23.3	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	345	345	345
10°	328	340	348
20°	300	321	339
30°	262	291	315
40°	216	251	281
50°	163	203	237
60°	106	150	186
70°	51	94	129
80°	12	47	69
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

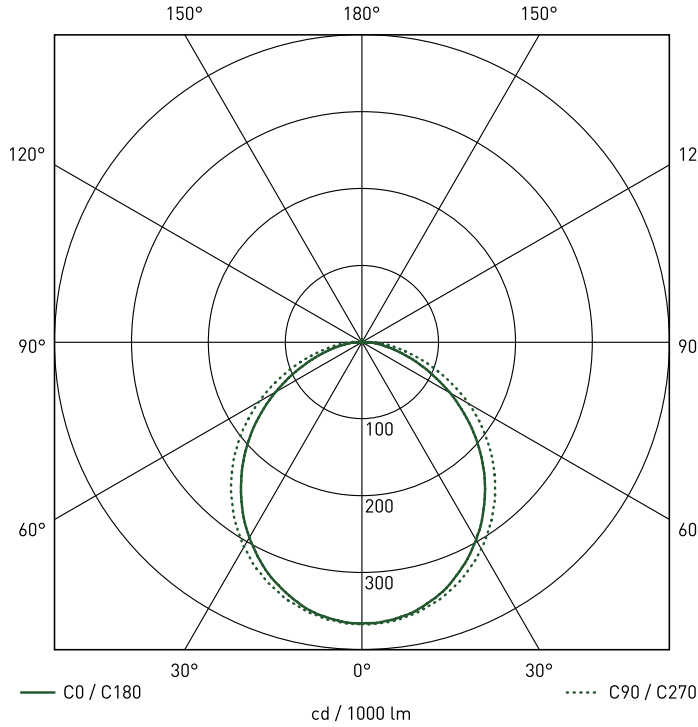
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	17.0	18.6	17.4	19.0	19.3	19.0	20.6	19.4	21.0	21.3
	3H	17.9	19.4	18.3	19.8	20.1	20.6	22.1	21.0	22.4	22.8
	4H	18.1	19.5	18.6	19.9	20.3	21.3	22.7	21.7	23.0	23.4
	6H	18.2	19.5	18.7	19.9	20.3	21.9	23.2	22.3	23.6	24.0
	8H	18.2	19.4	18.6	19.8	20.3	22.1	23.4	22.6	23.8	24.2
	12H	18.1	19.3	18.6	19.7	20.2	22.4	23.6	22.8	24.0	24.4
4H	2H	17.7	19.1	18.1	19.5	19.9	19.7	21.1	20.1	21.4	21.8
	3H	18.7	19.9	19.2	20.3	20.8	21.4	22.6	21.9	23.0	23.5
	4H	19.1	20.1	19.5	20.6	21.0	22.3	23.3	22.7	23.8	24.3
	6H	19.2	20.1	19.6	20.6	21.0	23.0	23.9	23.5	24.4	24.9
	8H	19.2	20.0	19.7	20.5	21.0	23.3	24.2	23.8	24.7	25.2
	12H	19.2	20.0	19.7	20.4	21.0	23.7	24.5	24.2	25.0	25.5
8H	4H	19.3	20.2	19.8	20.7	21.2	22.6	23.4	23.1	23.9	24.4
	6H	19.5	20.2	20.0	20.7	21.2	23.4	24.2	23.9	24.7	25.2
	8H	19.6	20.2	20.1	20.7	21.3	23.9	24.6	24.4	25.1	25.6
	12H	19.5	20.1	20.1	20.6	21.2	24.4	24.9	24.9	25.4	26.0
12H	4H	19.4	20.2	19.9	20.7	21.2	22.6	23.4	23.1	23.9	24.4
	6H	19.6	20.3	20.1	20.8	21.3	23.6	24.2	24.1	24.7	25.3
	8H	19.7	20.2	20.2	20.7	21.3	24.0	24.6	24.6	25.1	25.7

# LUCECO PHOTOMETRIC DATA

## LBH154KAMG LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	53.63 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.6% ↑1.4%	Colour Temperature:	4000K
CIE Flux Codes:	49 80 95 99 100	Luminous flux:	890 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	19.2 / 23.3	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	366	367	366
10°	359	361	357
20°	335	342	332
30°	297	310	293
40°	249	269	245
50°	193	218	190
60°	132	160	130
70°	75	100	73
80°	31	49	31
90°	7	16	7
100°	1	2	1
110°	1	1	1
120°	1	2	1
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	16.3	17.9	16.7	18.2	18.6	17.1	18.7	17.5	19.1	19.4
	3H	17.5	18.9	17.9	19.3	19.6	18.7	20.1	19.1	20.5	20.9
	4H	17.9	19.2	18.3	19.6	20.0	19.4	20.7	19.8	21.1	21.5
	6H	18.2	19.5	18.6	19.9	20.3	19.9	21.2	20.4	21.6	22.0
	8H	18.3	19.5	18.7	19.9	20.3	20.2	21.4	20.6	21.8	22.2
	12H	18.3	19.5	18.8	19.9	20.3	20.4	21.5	20.8	21.9	22.4
4H	2H	17.0	18.4	17.4	18.7	19.1	17.7	19.0	18.1	19.4	19.8
	3H	18.3	19.5	18.8	19.9	20.3	19.4	20.5	19.8	20.9	21.4
	4H	18.9	19.9	19.4	20.4	20.8	20.2	21.2	20.7	21.7	22.1
	6H	19.3	20.2	19.8	20.7	21.1	20.9	21.8	21.3	22.2	22.7
	8H	19.4	20.3	19.9	20.7	21.2	21.2	22.0	21.7	22.5	23.0
	12H	19.5	20.3	20.0	20.8	21.3	21.5	22.3	22.0	22.8	23.3
8H	4H	19.2	20.1	19.7	20.5	21.0	20.3	21.2	20.8	21.7	22.2
	6H	19.7	20.4	20.2	20.9	21.4	21.1	21.9	21.6	22.3	22.9
	8H	20.0	20.6	20.5	21.1	21.6	21.6	22.2	22.1	22.8	23.3
	12H	20.1	20.6	20.7	21.2	21.7	22.0	22.5	22.6	23.1	23.6
12H	4H	19.3	20.1	19.8	20.5	21.1	20.4	21.2	20.9	21.6	22.1
	6H	19.8	20.5	20.4	21.0	21.5	21.2	21.8	21.8	22.4	22.9
	8H	20.1	20.6	20.6	21.1	21.7	21.7	22.2	22.2	22.7	23.3



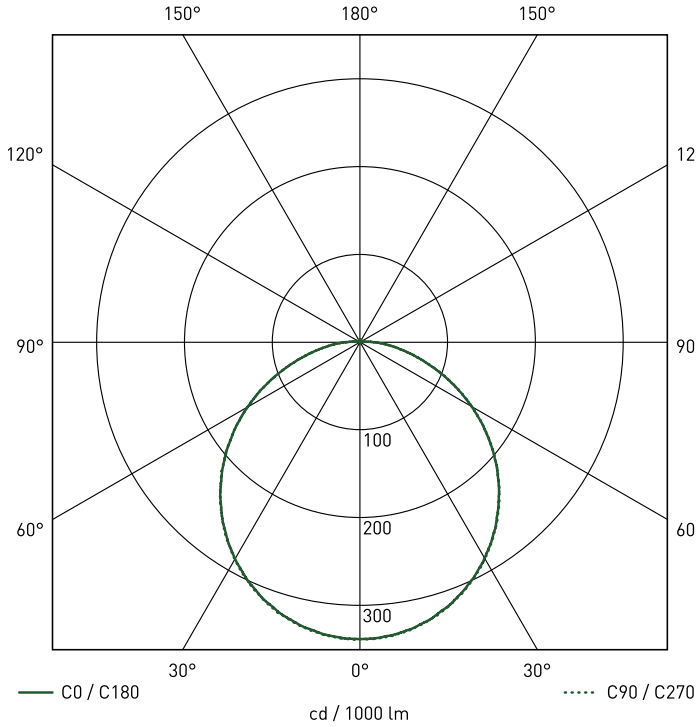
# LUCECO PHOTOMETRIC DATA

## LBH214K

### LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	87.5 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.2% ↑1.8%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	2100 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	23.0 / 23.0	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	338	338	338
10°	332	333	332
20°	313	314	314
30°	284	285	285
40°	245	246	246
50°	199	200	200
60°	147	148	148
70°	93	94	94
80°	47	47	47
90°	16	16	16
100°	2	2	3
110°	1	1	1
120°	2	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

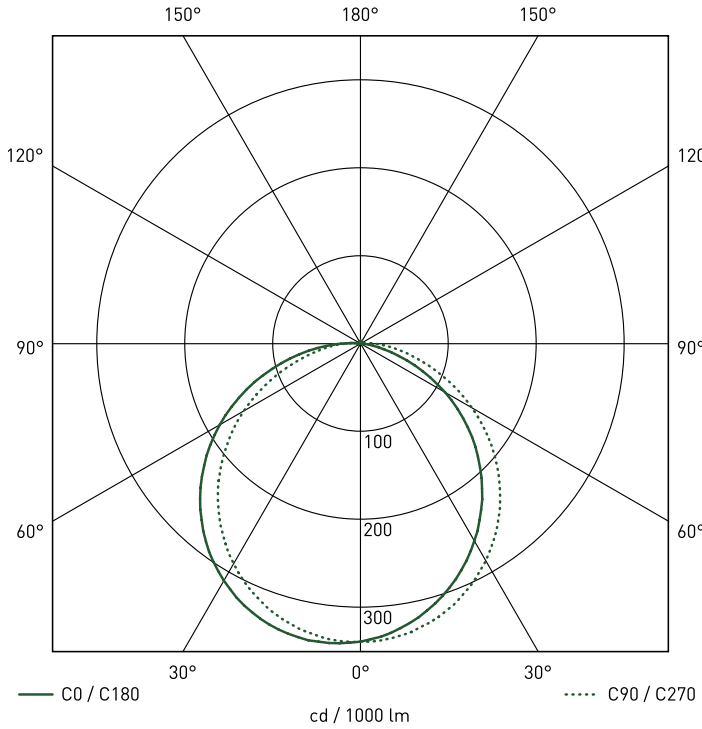
x		VIEWED CROSSWISE					VIEWED ENDWISE				
	y										
2H	2H	19.0	20.6	19.3	20.9	21.3	19.0	20.6	19.4	21.0	21.3
	3H	20.5	21.9	20.9	22.3	22.7	20.5	22.0	20.9	22.4	22.7
	4H	21.1	22.5	21.5	22.9	23.3	21.1	22.5	21.5	22.9	23.3
	6H	21.6	22.9	22.0	23.3	23.7	21.6	22.9	22.1	23.3	23.8
	8H	21.8	23.0	22.2	23.4	23.9	21.8	23.1	22.2	23.5	23.9
	12H	21.9	23.1	22.3	23.5	24.0	22.0	23.2	22.4	23.6	24.0
4H	2H	19.7	21.0	20.1	21.4	21.8	19.7	21.1	20.1	21.5	21.9
	3H	21.3	22.5	21.8	22.9	23.4	21.4	22.6	21.8	23.0	23.4
	4H	22.1	23.2	22.6	23.6	24.1	22.2	23.2	22.6	23.7	24.2
	6H	22.7	23.7	23.2	24.1	24.6	22.8	23.7	23.3	24.2	24.7
	8H	23.0	23.9	23.5	24.3	24.8	23.0	23.9	23.5	24.4	24.9
	12H	23.2	24.0	23.7	24.5	25.0	23.3	24.1	23.8	24.5	25.1
8H	4H	22.4	23.3	22.9	23.8	24.3	22.5	23.3	22.9	23.8	24.3
	6H	23.1	23.9	23.6	24.4	24.9	23.2	24.0	23.7	24.4	25.0
	8H	23.5	24.2	24.1	24.7	25.3	23.6	24.3	24.1	24.8	25.3
	12H	23.9	24.4	24.4	25.0	25.5	23.9	24.5	24.5	25.0	25.6
12H	4H	22.4	23.3	23.0	23.7	24.3	22.5	23.3	23.0	23.8	24.3
	6H	23.3	23.9	23.8	24.5	25.0	23.3	24.0	23.9	24.5	25.1
	8H	23.7	24.2	24.2	24.8	25.3	23.7	24.3	24.3	24.8	25.4

# LUCECO PHOTOMETRIC DATA

## LBH214KAPE LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	65.29 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	1567 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	18.8 / 22.3	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	339	339	339
10°	323	333	342
20°	295	314	333
30°	259	285	311
40°	215	246	279
50°	166	199	236
60°	111	147	185
70°	56	92	128
80°	15	46	71
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

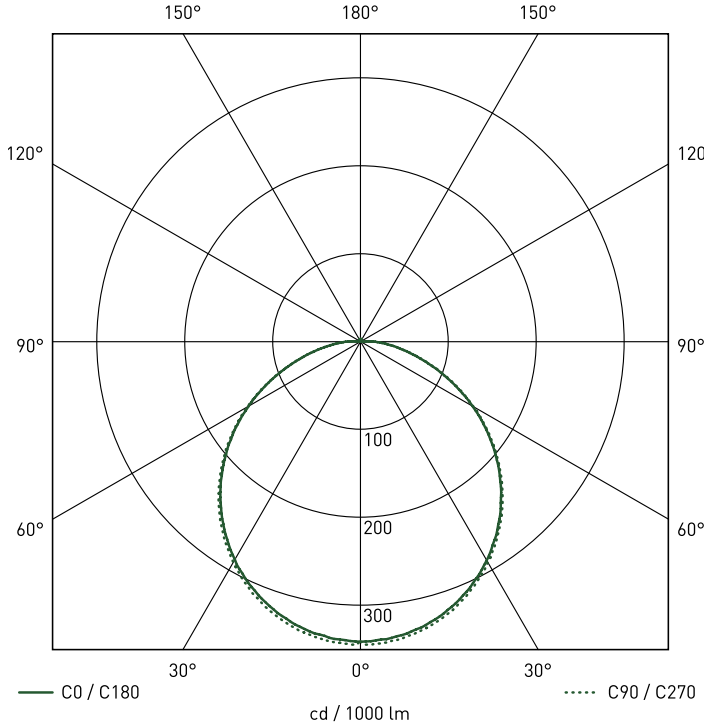
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	16.5	18.1	16.8	18.4	18.8	18.2	19.8	18.6	20.1	20.5
	3H	17.4	18.9	17.9	19.3	19.7	19.7	21.2	20.1	21.6	21.9
	4H	17.7	19.1	18.1	19.5	19.9	20.4	21.8	20.8	22.1	22.5
	6H	17.8	19.1	18.3	19.5	20.0	20.9	22.2	21.3	22.6	23.0
	8H	17.8	19.1	18.2	19.5	19.9	21.1	22.3	21.5	22.7	23.2
	12H	17.8	19.0	18.2	19.4	19.8	21.2	22.4	21.7	22.9	23.3
4H	2H	17.1	18.5	17.6	18.9	19.3	18.9	20.3	19.3	20.7	21.1
	3H	18.3	19.5	18.7	19.9	20.3	20.6	21.8	21.0	22.2	22.7
	4H	18.7	19.7	19.1	20.2	20.6	21.4	22.5	21.9	22.9	23.4
	6H	18.8	19.7	19.3	20.2	20.7	22.0	23.0	22.5	23.5	23.9
	8H	18.8	19.7	19.3	20.2	20.7	22.3	23.2	22.8	23.7	24.2
	12H	18.8	19.6	19.3	20.1	20.6	22.6	23.4	23.1	23.8	24.4
8H	4H	18.9	19.8	19.4	20.3	20.7	21.7	22.6	22.2	23.1	23.6
	6H	19.1	19.8	19.6	20.3	20.9	22.5	23.2	23.0	23.7	24.3
	8H	19.2	19.8	19.7	20.4	20.9	22.9	23.6	23.4	24.1	24.6
	12H	19.2	19.8	19.7	20.3	20.8	23.3	23.8	23.8	24.3	24.9
12H	4H	18.9	19.8	19.4	20.2	20.8	21.8	22.6	22.3	23.1	23.6
	6H	19.2	19.9	19.7	20.4	20.9	22.6	23.3	23.2	23.8	24.3
	8H	19.3	19.8	19.8	20.4	20.9	23.0	23.6	23.6	24.1	24.7

# LUCECO PHOTOMETRIC DATA

## LBH214KAMP LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	84.75 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	2034 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	22.8 / 22.8	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	341	341	341
10°	334	338	335
20°	317	320	316
30°	287	290	286
40°	248	251	247
50°	201	203	200
60°	147	149	147
70°	92	93	93
80°	45	46	46
90°	15	15	15
100°	2	2	2
110°	1	1	1
120°	1	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

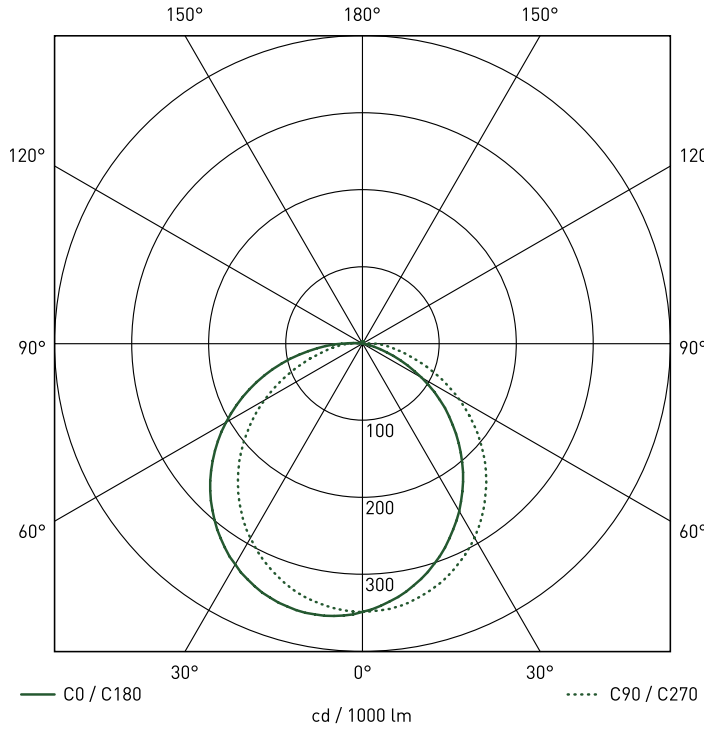
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	18.9	20.5	19.3	20.8	21.2	18.9	20.5	19.3	20.9	21.2
	3H	20.4	21.8	20.8	22.2	22.6	20.4	21.8	20.8	22.2	22.6
	4H	20.9	22.3	21.4	22.7	23.1	21.0	22.4	21.4	22.7	23.1
	6H	21.4	22.7	21.9	23.1	23.5	21.5	22.8	21.9	23.2	23.6
	8H	21.6	22.8	22.0	23.2	23.7	21.6	22.9	22.1	23.3	23.7
	12H	21.7	22.9	22.1	23.3	23.8	21.8	23.0	22.2	23.4	23.8
4H	2H	19.6	21.0	20.0	21.3	21.7	19.6	21.0	20.0	21.4	21.8
	3H	21.2	22.4	21.6	22.8	23.3	21.2	22.4	21.7	22.8	23.3
	4H	22.0	23.0	22.4	23.5	23.9	22.0	23.0	22.4	23.5	24.0
	6H	22.5	23.5	23.0	23.9	24.4	22.6	23.5	23.0	24.0	24.5
	8H	22.8	23.7	23.3	24.1	24.6	22.8	23.7	23.3	24.2	24.7
	12H	23.0	23.8	23.5	24.3	24.8	23.0	23.8	23.5	24.3	24.8
8H	4H	22.2	23.1	22.7	23.6	24.1	22.3	23.1	22.8	23.6	24.1
	6H	22.9	23.7	23.4	24.2	24.7	23.0	23.7	23.5	24.2	24.7
	8H	23.3	24.0	23.9	24.5	25.0	23.4	24.0	23.9	24.5	25.1
	12H	23.6	24.2	24.2	24.7	25.3	23.7	24.2	24.2	24.8	25.3
12H	4H	22.3	23.1	22.8	23.6	24.1	22.3	23.1	22.8	23.6	24.1
	6H	23.1	23.7	23.6	24.3	24.8	23.1	23.8	23.6	24.3	24.8
	8H	23.4	24.0	24.0	24.5	25.1	23.5	24.0	24.0	24.6	25.1

# LUCECO PHOTOMETRIC DATA

## LBH214KAMS LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	37.75 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	906 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	14.9 / 20.0	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	349	349	349
10°	327	342	357
20°	294	322	351
30°	252	291	331
40°	202	249	299
50°	147	200	257
60°	89	146	205
70°	33	89	146
80°	1	44	84
90°	1	15	27
100°	1	1	1
110°	1	1	1
120°	2	1	1
130°	2	2	1
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

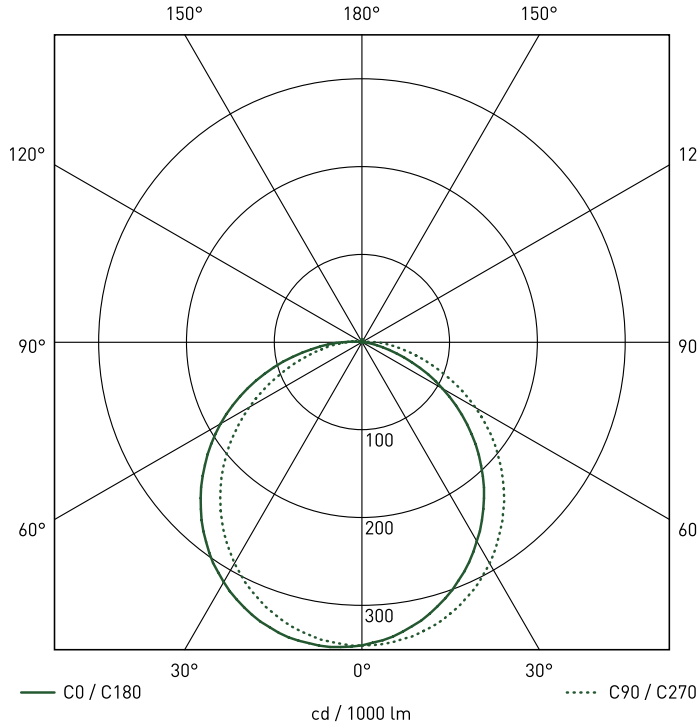
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	13.5	15.2	13.9	15.5	15.9	16.1	17.7	16.5	18.1	18.4
	3H	14.1	15.6	14.5	16.0	16.3	17.6	19.0	18.0	19.4	19.8
	4H	14.2	15.6	14.6	15.9	16.3	18.1	19.5	18.6	19.9	20.3
	6H	14.1	15.4	14.6	15.8	16.2	18.6	19.9	19.1	20.3	20.7
	8H	14.1	15.3	14.5	15.7	16.2	18.8	20.0	19.2	20.4	20.9
	12H	14.0	15.2	14.5	15.6	16.1	18.9	20.1	19.4	20.5	21.0
4H	2H	14.2	15.6	14.6	15.9	16.3	16.9	18.2	17.3	18.6	19.0
	3H	14.9	16.0	15.3	16.5	16.9	18.5	19.7	18.9	20.1	20.5
	4H	15.0	16.0	15.4	16.5	17.0	19.2	20.3	19.7	20.7	21.2
	6H	14.9	15.9	15.4	16.3	16.8	19.8	20.7	20.3	21.2	21.7
	8H	14.9	15.8	15.4	16.3	16.7	20.0	20.9	20.5	21.4	21.9
	12H	14.9	15.7	15.4	16.2	16.7	20.3	21.1	20.8	21.5	22.1
8H	4H	15.2	16.1	15.7	16.5	17.0	19.6	20.4	20.0	20.9	21.4
	6H	15.2	15.9	15.7	16.4	16.9	20.3	21.0	20.8	21.5	22.0
	8H	15.2	15.8	15.7	16.4	16.9	20.7	21.3	21.2	21.8	22.4
	12H	15.1	15.7	15.7	16.2	16.8	21.0	21.5	21.5	22.1	22.6
12H	4H	15.2	16.0	15.7	16.5	17.0	19.6	20.4	20.1	20.9	21.4
	6H	15.3	15.9	15.8	16.4	17.0	20.4	21.1	21.0	21.6	22.1
	8H	15.2	15.8	15.8	16.3	16.9	20.8	21.4	21.4	21.9	22.4

# LUCECO PHOTOMETRIC DATA

## LBH214KAME LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	54.67 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	1312 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	17.8 / 21.4	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	345	345	345
10°	328	340	348
20°	300	321	339
30°	262	291	315
40°	216	251	281
50°	163	203	237
60°	106	150	186
70°	51	94	129
80°	12	47	69
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

REFLECTANCE OF	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

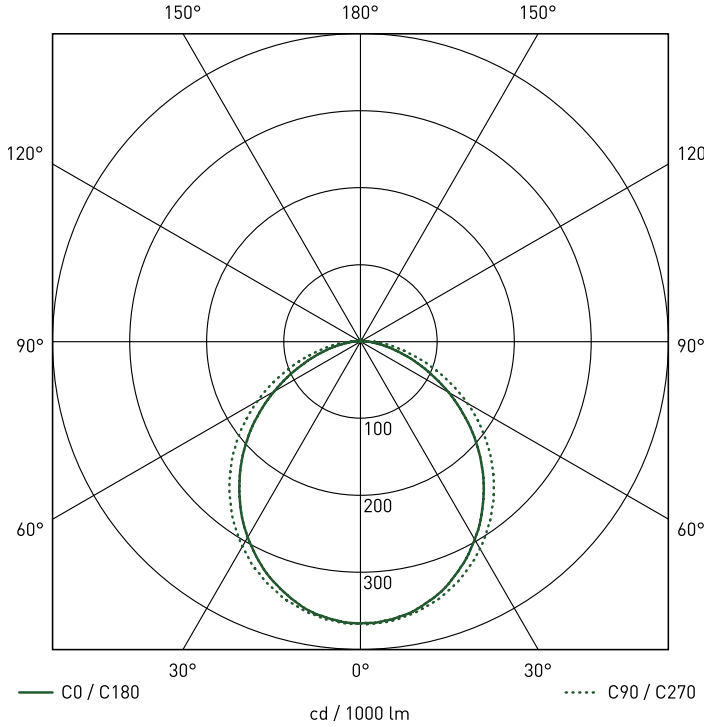
ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	15.7	17.3	16.1	17.7	18.0	17.4	19.0	17.8	19.4	19.7
	3H	16.6	18.1	17.0	18.5	18.8	18.9	20.4	19.3	20.7	21.1
	4H	16.8	18.2	17.3	18.6	19.0	19.5	20.9	19.9	21.3	21.7
	6H	16.9	18.2	17.4	18.6	19.0	20.0	21.3	20.4	21.7	22.1
	8H	16.9	18.1	17.3	18.5	19.0	20.2	21.4	20.6	21.8	22.2
	12H	16.8	18.0	17.3	18.4	18.9	20.3	21.5	20.7	21.9	22.3
4H	2H	16.4	17.8	16.8	18.2	18.6	18.1	19.5	18.5	19.9	20.3
	3H	17.4	18.6	17.8	19.0	19.5	19.8	21.0	20.2	21.4	21.8
	4H	17.7	18.8	18.2	19.2	19.7	20.5	21.6	21.0	22.0	22.5
	6H	17.8	18.8	18.3	19.2	19.7	21.1	22.1	21.6	22.5	23.0
	8H	17.8	18.7	18.3	19.2	19.7	21.4	22.2	21.9	22.7	23.2
	12H	17.8	18.6	18.3	19.1	19.6	21.6	22.4	22.1	22.9	23.4
8H	4H	18.0	18.9	18.5	19.3	19.8	20.8	21.7	21.3	22.2	22.7
	6H	18.1	18.9	18.6	19.3	19.9	21.6	22.3	22.1	22.8	23.3
	8H	18.2	18.8	18.7	19.4	19.9	22.0	22.6	22.5	23.1	23.7
	12H	18.2	18.7	18.7	19.3	19.8	22.3	22.8	22.8	23.3	23.9
12H	4H	18.0	18.8	18.5	19.3	19.8	20.9	21.7	21.4	22.2	22.7
	6H	18.2	18.9	18.8	19.4	19.9	21.7	22.3	22.2	22.9	23.4
	8H	18.3	18.8	18.8	19.4	19.9	22.1	22.6	22.6	23.2	23.7

# LUCECO PHOTOMETRIC DATA

## LBH214KAMG LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	56.71 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.6% ↑1.4%	Colour Temperature:	4000K
CIE Flux Codes:	49 80 95 99 100	Luminous flux:	1361 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	20.2 / 21.4	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	366	366	366
10°	359	361	357
20°	335	342	332
30°	297	310	293
40°	249	269	245
50°	193	218	190
60°	132	160	130
70°	75	100	73
80°	31	49	31
90°	7	16	7
100°	1	2	1
110°	1	1	1
120°	1	2	1
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	17.1	18.7	17.5	19.1	19.4	17.7	19.3	18.1	19.7	20.0
	3H	18.3	19.8	18.7	20.1	20.5	19.2	20.6	19.6	21.0	21.4
	4H	18.8	20.1	19.2	20.5	20.9	19.7	21.1	20.2	21.5	21.9
	6H	19.1	20.3	19.5	20.7	21.1	20.2	21.5	20.6	21.9	22.3
	8H	19.1	20.4	19.6	20.8	21.2	20.4	21.6	20.8	22.0	22.4
	12H	19.2	20.3	19.6	20.8	21.2	20.5	21.6	20.9	22.1	22.5
4H	2H	17.8	19.2	18.2	19.6	20.0	18.3	19.6	18.7	20.0	20.4
	3H	19.2	20.3	19.6	20.7	21.2	19.9	21.0	20.3	21.4	21.9
	4H	19.7	20.8	20.2	21.2	21.7	20.6	21.6	21.1	22.1	22.5
	6H	20.1	21.0	20.6	21.5	22.0	21.1	22.1	21.6	22.5	23.0
	8H	20.2	21.1	20.7	21.6	22.1	21.4	22.2	21.9	22.7	23.2
	12H	20.4	21.1	20.9	21.6	22.1	21.6	22.4	22.1	22.8	23.4
8H	4H	20.0	20.9	20.5	21.3	21.8	20.8	21.6	21.3	22.1	22.6
	6H	20.5	21.2	21.0	21.7	22.2	21.4	22.2	21.9	22.6	23.2
	8H	20.7	21.4	21.3	21.9	22.4	21.8	22.4	22.3	23.0	23.5
	12H	20.9	21.4	21.4	22.0	22.5	22.1	22.6	22.6	23.2	23.7
12H	4H	20.1	20.8	20.5	21.3	21.8	20.8	21.6	21.3	22.0	22.6
	6H	20.6	21.2	21.1	21.8	22.3	21.5	22.1	22.0	22.7	23.2
	8H	20.8	21.4	21.4	21.9	22.4	21.9	22.4	22.4	22.9	23.5

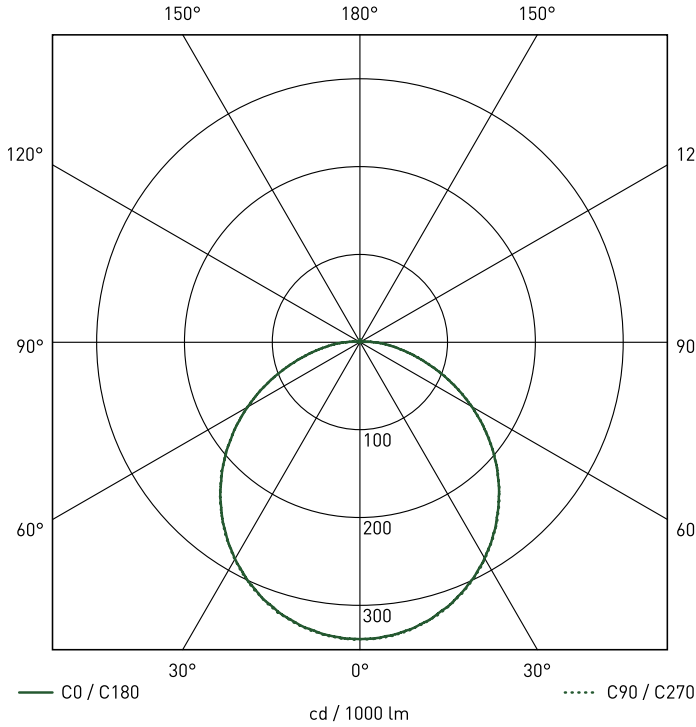
# LUCECO PHOTOMETRIC DATA

## LBH154K3M LBH214K3M

### LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	3.8 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.2% ↑1.8%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	95 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	12.2 / 12.3	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	338	338	338
10°	332	333	332
20°	313	314	314
30°	284	285	285
40°	246	246	246
50°	199	200	200
60°	147	148	148
70°	93	94	94
80°	47	47	47
90°	16	16	16
100°	2	2	3
110°	1	1	1
120°	2	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	10.2	10.5	<10.0	<10.0	<10.0	10.2	10.6
	3H	<10.0	11.2	10.1	11.6	11.9	<10.0	11.2	10.2	11.6	12.0
	4H	10.3	11.7	10.7	12.1	12.5	10.4	11.8	10.8	12.1	12.6
	6H	10.8	12.1	11.3	12.5	13.0	10.9	12.2	11.3	12.6	13.0
	8H	11.0	12.2	11.4	12.7	13.1	11.1	12.3	11.5	12.7	13.2
	12H	11.1	12.3	11.6	12.8	13.2	11.2	12.4	11.6	12.8	13.3
4H	2H	<10.0	10.3	<10.0	10.7	11.1	<10.0	10.3	<10.0	10.7	11.1
	3H	10.6	11.8	11.0	12.2	12.6	10.6	11.8	11.1	12.2	12.7
	4H	11.4	12.4	11.8	12.9	13.3	11.4	12.5	11.9	12.9	13.4
	6H	12.0	12.9	12.4	13.4	13.9	12.0	13.0	12.5	13.4	13.9
	8H	12.2	13.1	12.7	13.6	14.1	12.3	13.2	12.8	13.6	14.1
	12H	12.4	13.3	12.9	13.7	14.3	12.5	13.3	13.0	13.8	14.3
8H	4H	11.6	12.5	12.1	13.0	13.5	11.7	12.6	12.2	13.1	13.6
	6H	12.4	13.1	12.9	13.6	14.2	12.4	13.2	13.0	13.7	14.2
	8H	12.8	13.4	13.3	14.0	14.5	12.9	13.5	13.4	14.0	14.6
	12H	13.1	13.7	13.6	14.2	14.7	13.2	13.7	13.7	14.3	14.8
12H	4H	11.7	12.5	12.2	13.0	13.5	11.7	12.6	12.2	13.0	13.6
	6H	12.5	13.2	13.1	13.7	14.2	12.6	13.2	13.1	13.8	14.3
	8H	12.9	13.5	13.5	14.0	14.6	13.0	13.5	13.5	14.1	14.6

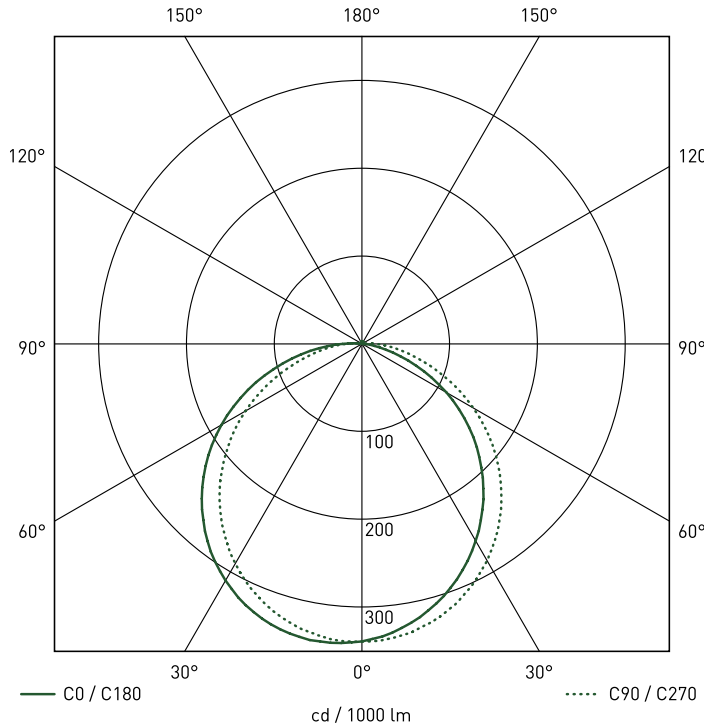
# LUCECO PHOTOMETRIC DATA

## LBH154K3MAPE LUMINAIRE PERFORMANCE

## LBH214K3MAPE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	2.96 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	71 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	<10.0 / 11.6	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	339	339	339
10°	323	333	342
20°	295	314	333
30°	259	285	311
40°	215	246	279
50°	166	199	236
60°	111	147	185
70°	56	92	128
80°	15	46	71
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.4	<10.0	10.8	11.2
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	11.0	10.0	11.4	11.8
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	11.4	10.6	11.8	12.3
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	10.3	11.6	10.8	12.0	12.4
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	10.5	11.7	10.9	12.1	12.5
4H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.3
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	11.1	10.3	11.5	11.9
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	10.7	11.7	11.1	12.2	12.6
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	11.3	12.2	11.8	12.7	13.2
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	11.6	12.4	12.1	12.9	13.4
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	11.8	12.6	12.3	13.1	13.6
8H	4H	<10.0	<10.0	<10.0	<10.0	<10.0	11.0	11.9	11.5	12.3	12.8
	6H	<10.0	<10.0	<10.0	<10.0	10.1	11.7	12.5	12.2	13.0	13.5
	8H	<10.0	<10.0	<10.0	<10.0	10.1	12.2	12.8	12.7	13.4	13.9
	12H	<10.0	<10.0	<10.0	<10.0	10.1	12.5	13.1	13.0	13.6	14.1
12H	4H	<10.0	<10.0	<10.0	<10.0	10.0	11.0	11.8	11.5	12.3	12.8
	6H	<10.0	<10.0	<10.0	<10.0	10.2	11.9	12.5	12.4	13.1	13.6
	8H	<10.0	<10.0	<10.0	<10.0	10.2	12.3	12.9	12.8	13.4	13.9



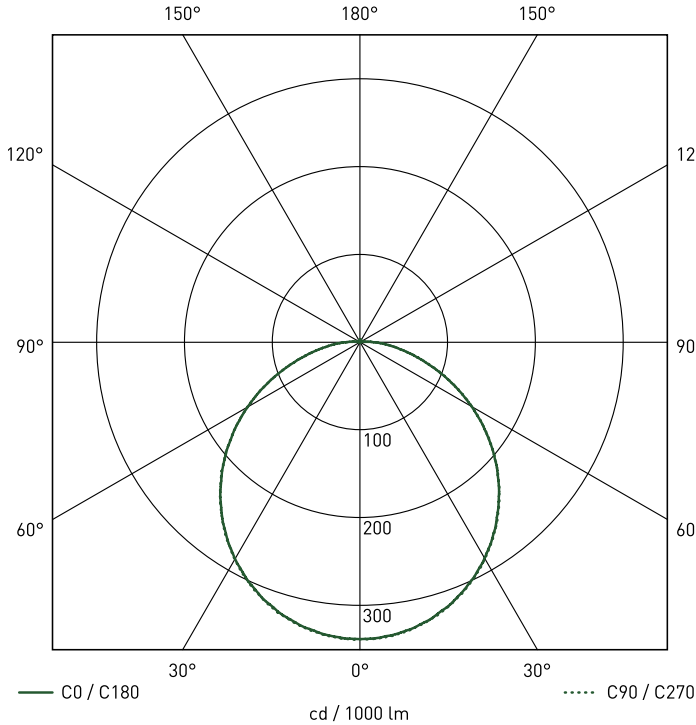
# LUCECO PHOTOMETRIC DATA

## LBH154K3MAMP LUMINAIRE PERFORMANCE

### LBH214K3MAMP

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	3.83 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.3% ↑1.7%	Colour Temperature:	4000K
CIE Flux Codes:	46 77 94 98 100	Luminous flux:	92 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	12.0 / 12.0	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	341	341	341
10°	334	338	335
20°	317	320	316
30°	287	290	286
40°	248	251	247
50°	201	203	200
60°	147	149	147
70°	92	93	93
80°	45	46	46
90°	15	15	15
100°	2	2	2
110°	1	1	1
120°	1	2	2
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	10.1	10.4	<10.0	<10.0	<10.0	10.1	10.5
	3H	<10.0	11.1	10.0	11.4	11.8	<10.0	11.1	10.0	11.5	11.8
	4H	10.2	11.6	10.6	12.0	12.4	10.2	11.6	10.6	12.0	12.4
	6H	10.7	12.0	11.1	12.4	12.8	10.7	12.0	11.1	12.4	12.8
	8H	10.8	12.1	11.3	12.5	12.9	10.9	12.1	11.3	12.5	13.0
	12H	11.0	12.2	11.4	12.6	13.0	11.0	12.2	11.4	12.6	13.1
4H	2H	<10.0	10.2	<10.0	10.6	11.0	<10.0	10.2	<10.0	10.6	11.0
	3H	10.4	11.6	10.9	12.1	12.5	10.5	11.7	10.9	12.1	12.5
	4H	11.2	12.3	11.7	12.7	13.2	11.2	12.3	11.7	12.7	13.2
	6H	11.8	12.7	12.3	13.2	13.7	11.8	12.8	12.3	13.2	13.7
	8H	12.0	12.9	12.5	13.4	13.9	12.0	12.9	12.5	13.4	13.9
	12H	12.2	13.0	12.7	13.5	14.0	12.3	13.1	12.8	13.6	14.1
8H	4H	11.5	12.4	12.0	12.8	13.3	11.5	12.4	12.0	12.9	13.4
	6H	12.2	12.9	12.7	13.4	14.0	12.2	13.0	12.7	13.5	14.0
	8H	12.6	13.2	13.1	13.8	14.3	12.6	13.3	13.1	13.8	14.3
	12H	12.9	13.4	13.4	14.0	14.5	12.9	13.5	13.4	14.0	14.5
12H	4H	11.5	12.3	12.0	12.8	13.3	11.6	12.4	12.1	12.8	13.4
	6H	12.3	13.0	12.9	13.5	14.0	12.4	13.0	12.9	13.5	14.1
	8H	12.7	13.2	13.2	13.8	14.3	12.7	13.3	13.3	13.8	14.4

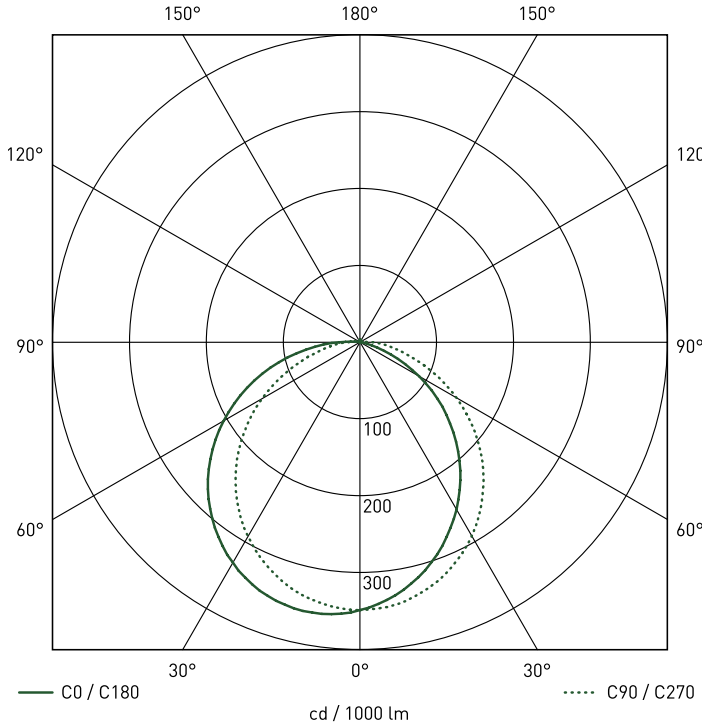
# LUCECO PHOTOMETRIC DATA

## LBH154K3MAMS LBH214K3MAMS

### LUMINAIRE PERFORMANCE

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	1.67 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	40 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	<10.0 / <10.0	CRI:	80

### LUMINOUS INTENSITY



	C0	C90	C180
0°	349	349	349
10°	327	342	357
20°	294	322	351
30°	252	291	331
40°	202	249	299
50°	147	200	257
60°	89	146	205
70°	33	89	146
80°	1	44	84
90°	1	15	27
100°	1	1	1
110°	1	1	1
120°	2	1	1
130°	2	2	1
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

### UNIFIED GLARE RATING (UGR) TABLE

#### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

#### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.0
12H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	
4H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.3
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.3	10.8
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	<10.0	10.5	11.0
12H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	<10.0	10.7	11.2	
8H	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	10.6
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	<10.0	10.7	11.2
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.5	10.4	11.0	11.5
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	10.7	10.7	11.2	11.8
12H	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	10.6
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	10.1	10.8	11.3
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.5	10.5	11.1	11.6

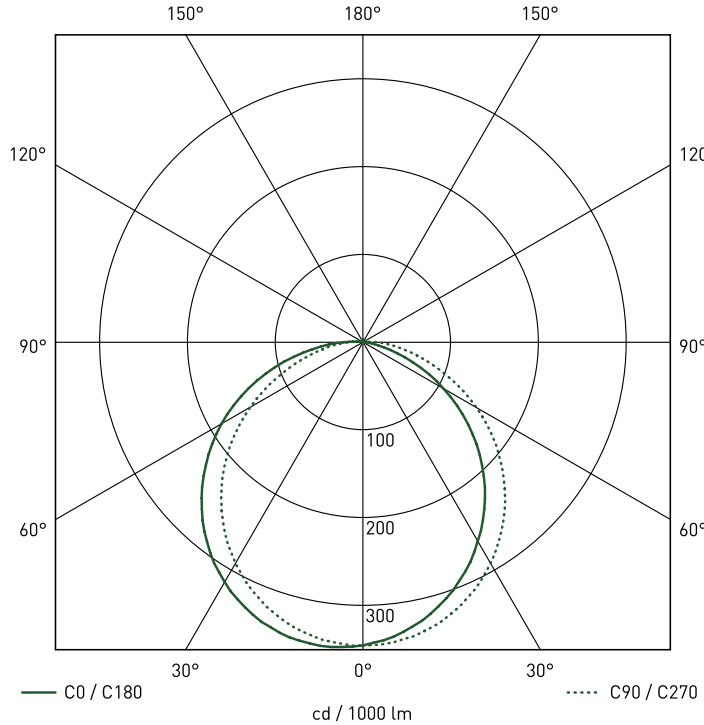
# LUCECO PHOTOMETRIC DATA

## LBH154K3MAME LUMINAIRE PERFORMANCE

## LBH214K3MAME

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	2.58 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.4% ↑1.6%	Colour Temperature:	4000K
CIE Flux Codes:	47 78 94 98 100	Luminous flux:	62 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	<10.0 / 10.8	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	345	345	345
10°	328	340	348
20°	301	321	339
30°	262	291	315
40°	216	251	281
50°	163	203	237
60°	106	150	186
70°	51	94	129
80°	12	47	69
90°	1	16	22
100°	1	2	2
110°	1	1	1
120°	2	2	1
130°	2	2	2
140°	3	2	2
150°	3	3	2
160°	3	3	3
170°	3	3	3
180°	2	2	2
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	10.5
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.3	<10.0	10.7	11.1
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.7	<10.0	11.1	11.5
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.8	<10.0	11.2	11.6
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.9	10.1	11.3	11.7
4H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.4	<10.0	10.8	11.2
	4H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	11.0	10.4	11.4	11.9
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	10.5	11.5	11.0	11.9	12.4
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	10.8	11.6	11.3	12.1	12.6
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	11.0	11.8	11.5	12.3	12.8
8H	4H	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	11.1	10.7	11.6	12.1
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	10.9	11.7	11.5	12.2	12.7
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	11.4	12.0	11.9	12.5	13.0
	12H	<10.0	<10.0	<10.0	<10.0	<10.0	11.7	12.2	12.2	12.7	13.3
12H	4H	<10.0	<10.0	<10.0	<10.0	<10.0	10.3	11.1	10.8	11.6	12.1
	6H	<10.0	<10.0	<10.0	<10.0	<10.0	11.1	11.7	11.6	12.3	12.8
	8H	<10.0	<10.0	<10.0	<10.0	<10.0	11.5	12.0	12.0	12.6	13.1

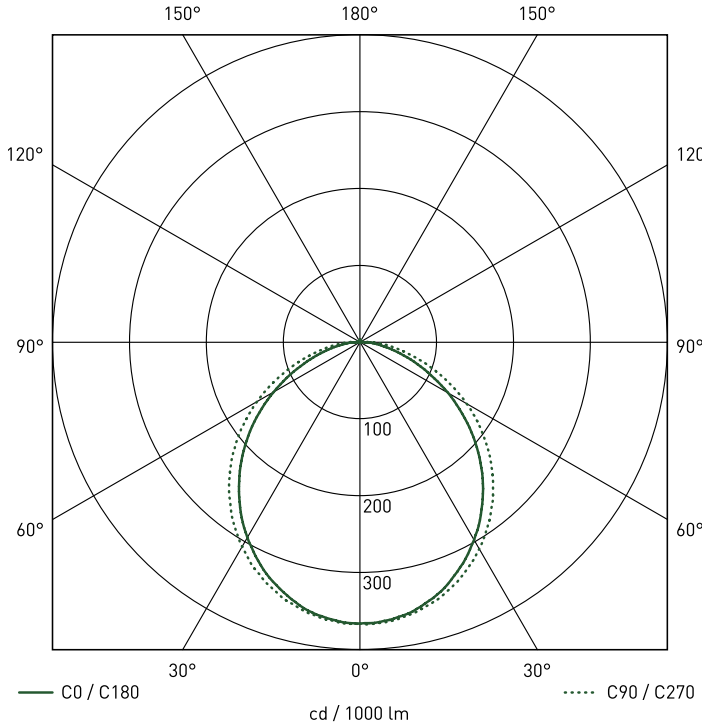
# LUCECO PHOTOMETRIC DATA

## LBH154K3MAMG LUMINAIRE PERFORMANCE

### LBH214K3MAMG

Light Output Ratio:	100%	Quantity:	1
Luminaire Efficacy:	2.58 lm/W	Designation:	LED
Light Distribution:	A40 ↓98.6% ↑1.4%	Colour Temperature:	4000K
CIE Flux Codes:	49 80 95 99 100	Luminous flux:	62 lm
UGR 4H 8H (20%, 50%, 70%) C0 / C90:	<10.0 / 10.6	CRI:	80

## LUMINOUS INTENSITY



	C0	C90	C180
0°	366	366	366
10°	359	361	357
20°	335	342	332
30°	297	310	293
40°	249	269	245
50°	193	218	190
60°	132	160	130
70°	75	100	73
80°	31	49	31
90°	7	16	7
100°	1	2	1
110°	1	1	1
120°	1	2	1
130°	2	2	2
140°	2	2	2
150°	3	3	3
160°	3	3	3
170°	3	3	3
180°	3	3	3
	cd / 1000 lm		

## UNIFIED GLARE RATING (UGR) TABLE

### REFLECTANCE OF

CEILING	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
FLOOR CAVITY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### ROOM DIMENSION

ROOM DIMENSION		VIEWED CROSSWISE					VIEWED ENDWISE				
x	y										
2H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.2	10.6
	4H	<10.0	<10.0	<10.0	<10.0	10.2	<10.0	10.4	<10.0	10.8	11.1
	6H	<10.0	<10.0	<10.0	<10.0	10.4	<10.0	10.7	<10.0	11.1	11.6
	8H	<10.0	<10.0	<10.0	10.0	10.5	<10.0	10.8	10.1	11.2	11.7
	12H	<10.0	<10.0	<10.0	10.0	10.5	<10.0	10.9	10.2	11.3	11.8
4H	2H	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
	3H	<10.0	<10.0	<10.0	10.0	10.4	<10.0	10.3	<10.0	10.7	11.1
	4H	<10.0	10.0	<10.0	10.5	10.9	<10.0	10.9	10.3	11.3	11.8
	6H	<10.0	10.3	<10.0	10.8	11.2	10.4	11.3	10.9	11.8	12.3
	8H	<10.0	10.4	<10.0	10.8	11.3	10.6	11.5	11.1	12.0	12.5
	12H	<10.0	10.4	10.1	10.9	11.4	10.9	11.7	11.4	12.1	12.6
8H	4H	<10.0	10.1	<10.0	10.6	11.1	10.0	10.9	10.5	11.4	11.9
	6H	<10.0	10.5	10.3	11.0	11.5	10.7	11.4	11.2	11.9	12.4
	8H	10.0	10.6	10.5	11.2	11.7	11.1	11.7	11.6	12.2	12.7
	12H	10.2	10.7	10.7	11.2	11.8	11.4	11.9	11.9	12.4	13.0
12H	4H	<10.0	10.1	<10.0	10.6	11.1	10.1	10.8	10.5	11.3	11.8
	6H	<10.0	10.5	10.4	11.0	11.6	10.8	11.4	11.3	11.9	12.5
	8H	10.1	10.6	10.6	11.2	11.7	11.1	11.7	11.7	12.2	12.7