LTL.SP244IP40

Éclairage architectural LED

LES PLUS

Espace isolé pour les LED et les commandes, afin d'accélérer la dissipation thermique.

Prise en charge des effets d'éclairages monochromes ou dynamiques colorés.

Options d'angles de faisceaux elliptiques et multi-symétriques variés.

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PRESENTATION

Cet éclairage fait partie d'une gamme développée spécifiquement par des ingénieurs français afin de parfaitement correspondre aux besoins de l'éclairage architectural contemporain : parfait pour les bâtiments, les pylônes de ponts et les bâtiments /façades/ structures de grandes hauteurs.

Il permet de créer un écran virtuel sur toute architecture, le pitch est déterminé par la distance entre les différents modules. Il peut être piloté par un média server afin d'offrir une multitude de graphisme.

Cette source LED avec ses options d'angles de faisceaux elliptiques et multi-symétriques variés permet une définition très précise du flux quel que soit le contexte. C'est une source facile et rapide à installer avec une maintenance aisée si besoin. L'utilisation de l'aluminium anodisé et moulé sous haute pression permet de gagner en légèreté et d'optimiser la dissipation thermique. De plus, le design global et tout particulièrement le positionnement des LED viennent renforcer cette optimisation thermique, essentielle à la longévité des éclairages. Cet éclairage possède un très bon rendu des couleurs ainsi qu'un haut flux de sortie, le tout piloté par des drivers PWM.

Comme tous les produits LINEARLEDS, nous accordons une attention particulière à la qualité de fabrication de cette source avec une parfaite synergie design, performance technique, qualité de l'éclairage, innovation et R&D. La performance allie le rendement lumineux avec l'optimisation de la consommation en énergie tant à la fabrication qu'en utilisation.
Une solution parfaite pour un éclairage de très grande qualité avec des sources design, tout en maîtrisant les coûts d'investissement et les charges d'exploitation et ce pour longtemps.
LA solution pour remplacer les projecteurs conventionnels.

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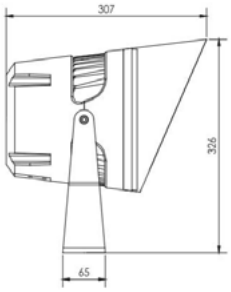
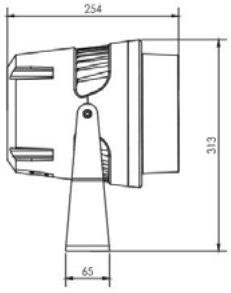
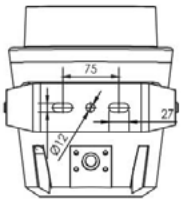
DECLINAISONS

LTL.SP244IP40C



LTL.SP244IP40N





ACCESSOIRES

LTL.SP244IP40A1

Grille en nid d'abeilles

LTL.SP244IP40A2

Capot

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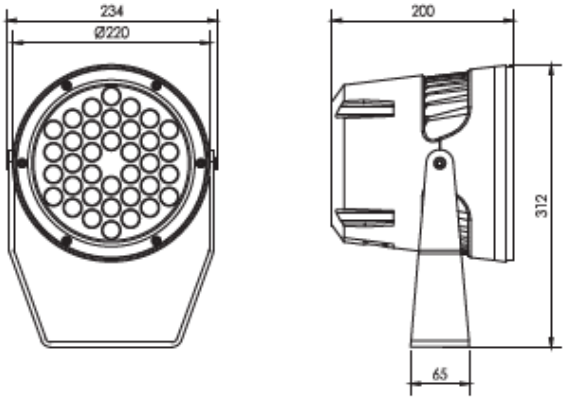
DIMENSIONS



CARACTERISTIQUES

MOUNTING	**DRIVER IN-BUILT**
Surface-mounted	MW driver in-built
SOURCE	**SAFETY CLASS**
CREE	CLASS I
CHIP'S QUANTITY	**CONTROL**
24pcs	DMX512
POWER	**IP RATING**
38W	IP66
CCT	**CERTIFICATE**
RGBW	CE RoHS
LUMINOUS FLUX	**HOUSING**
2200LM	Die-casting aluminum
LUMEN MAINTENANCE	**DIFFUSER**
50,000 hrs at 35ºC	Clear Tempered Glass
BEAM ANGLE	**FINISHED**
5° 12.5° 20° 30° 45° 60° 15×30° 10×60°	Akzo Nobel Coating, RAL9023
INPUT VOLTAGE	**PACKING**
100-240V AC 50/60Hz	545×545×300mm

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DONNÉES TECHNIQUES

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1600B
Distance: 8.630 m
Humidity: 65
Inspector:

CIE Class: Direct
Measurement Flux: 1505.3 lm
Downward Ratio: 100%
Field Angle: H30.9 V31.1
Luminaire Efficacy Rating (LER): 47
Max. Intensity: 11584.8 cd

Total Rated Lamp Lumens: 1505.3 lm
Efficiency: 100%
Upward Ratio: 0%
Beam Angle: H17.4 V17.9
Central Intensity: 11517.52 cd
Pos of Max. Intensity: H0 V1

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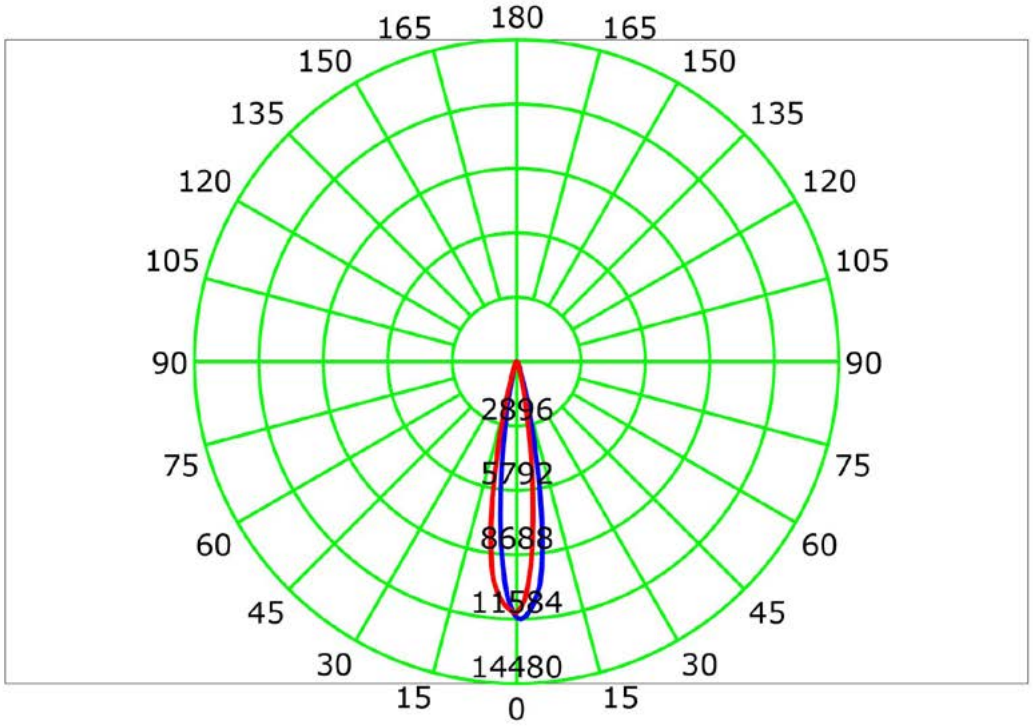
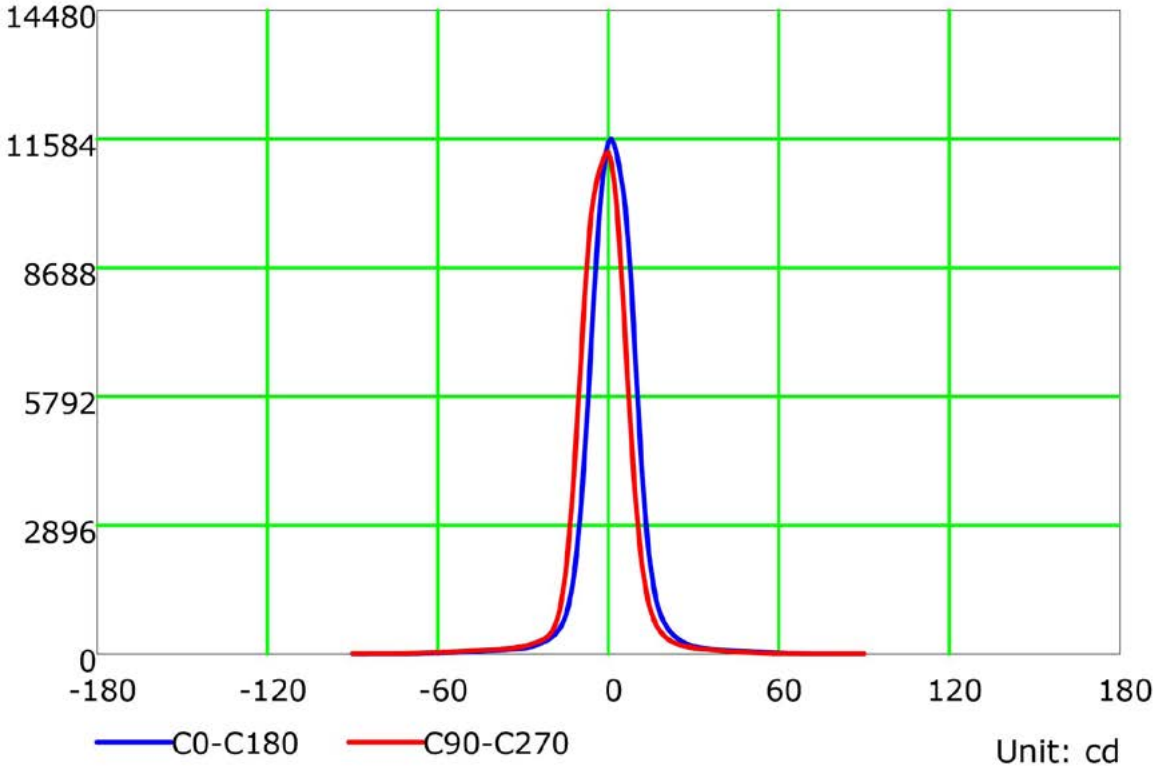
LUMINOUS INTENSITY DISTRIBUTION CURVE





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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
7	95	88	84	81	94	88	83	81	86	83	80	85	82	80	84	82	79	78
8	92	86	82	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
9	90	84	79	77	89	83	79	77	82	79	76	82	78	76	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

Spacing Criteria (0-180): 0.30
Spacing Criteria (90-270): 0.31
Spacing Criteria (Diagonal): 0.29

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CURVES OF LUMINAIRES VS LIGHTING AREA

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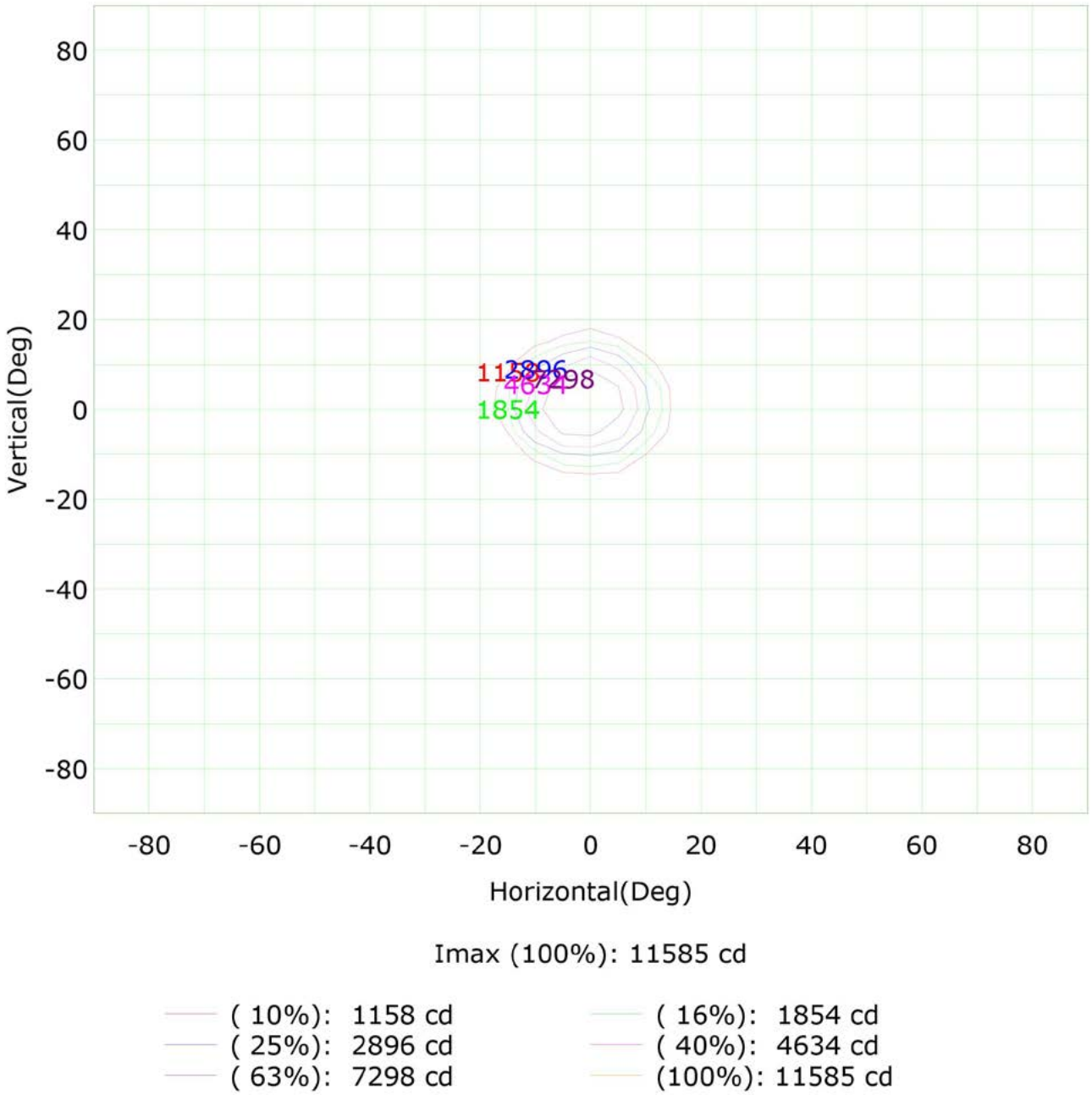
ISOCANDELA (RECTANGLE)



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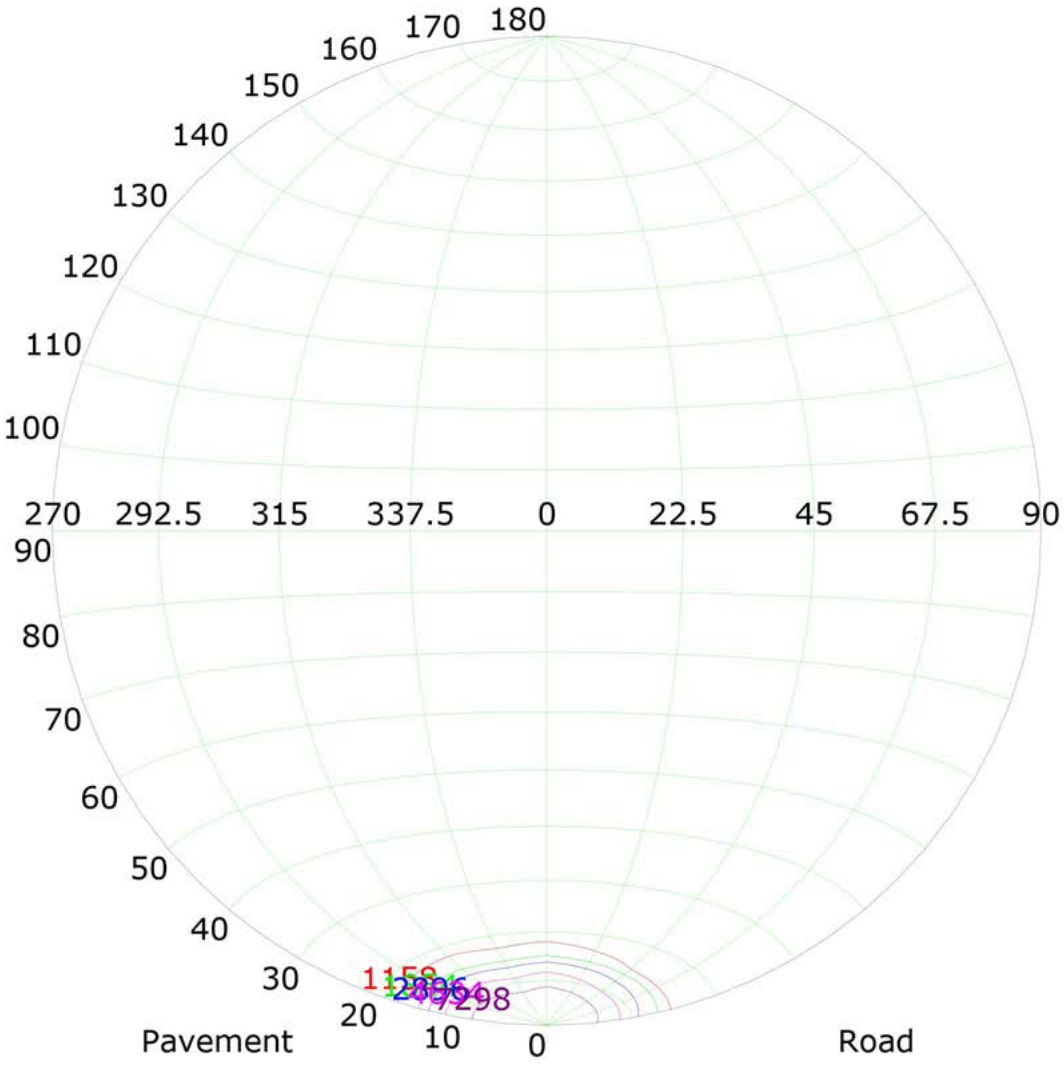
ISOCANDELA (SPHERE)



Imax (100%): 11585 cd

(10%): 1158 cd	(16%): 1854 cd
(25%): 2896 cd	(40%): 4634 cd
(63%): 7298 cd	(100%): 11585 cd

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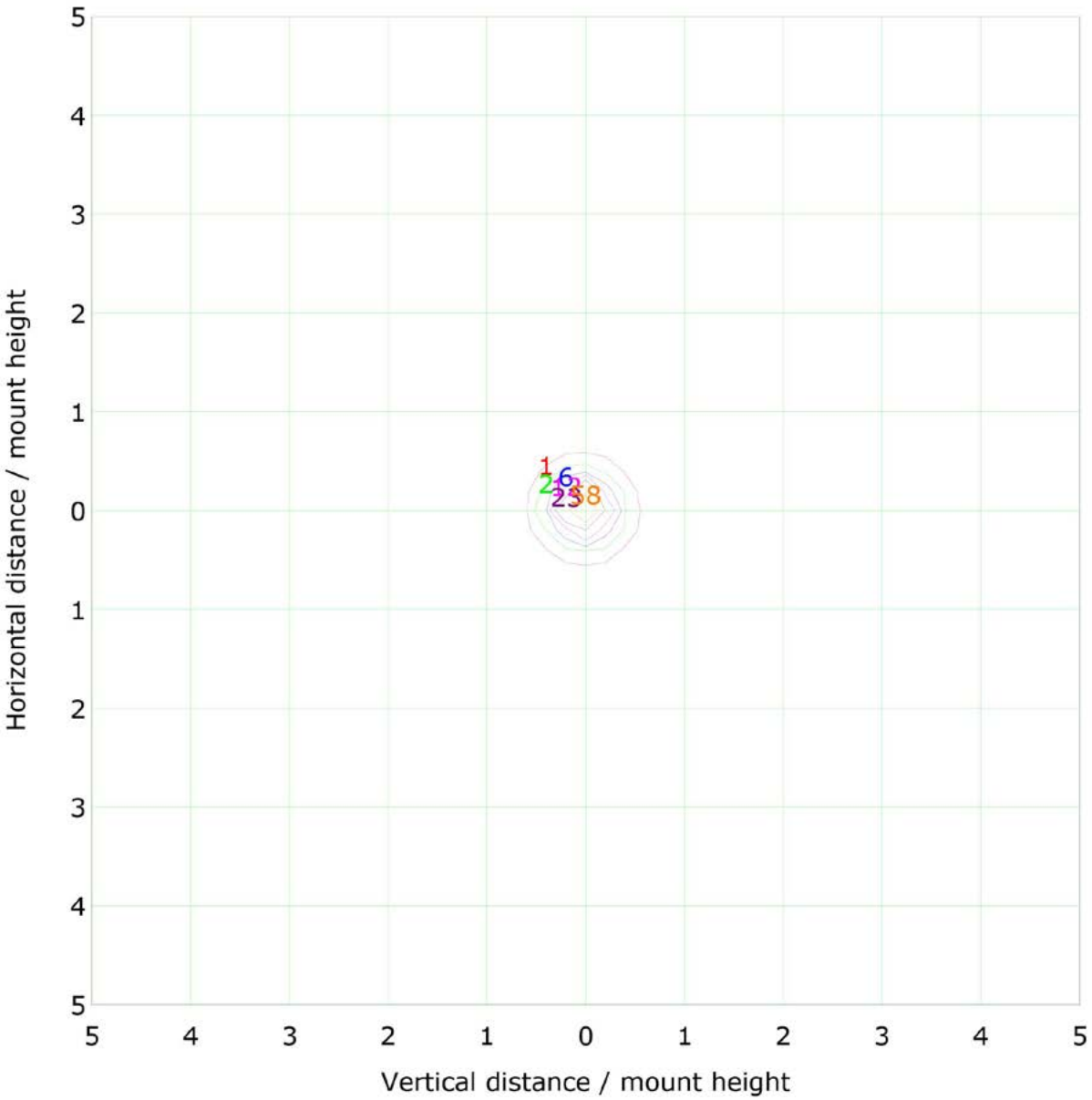
ISOLUX PLOT



Mounting Height: 10.0m
(1%): 1.2 lx
(5%): 5.8 lx
(20%): 23.2 lx
(100%): 115.8 lx
Max Lux(100%): 115.8 lx
(2%): 2.3 lx
(10%): 11.6 lx
(50%): 57.9 lx

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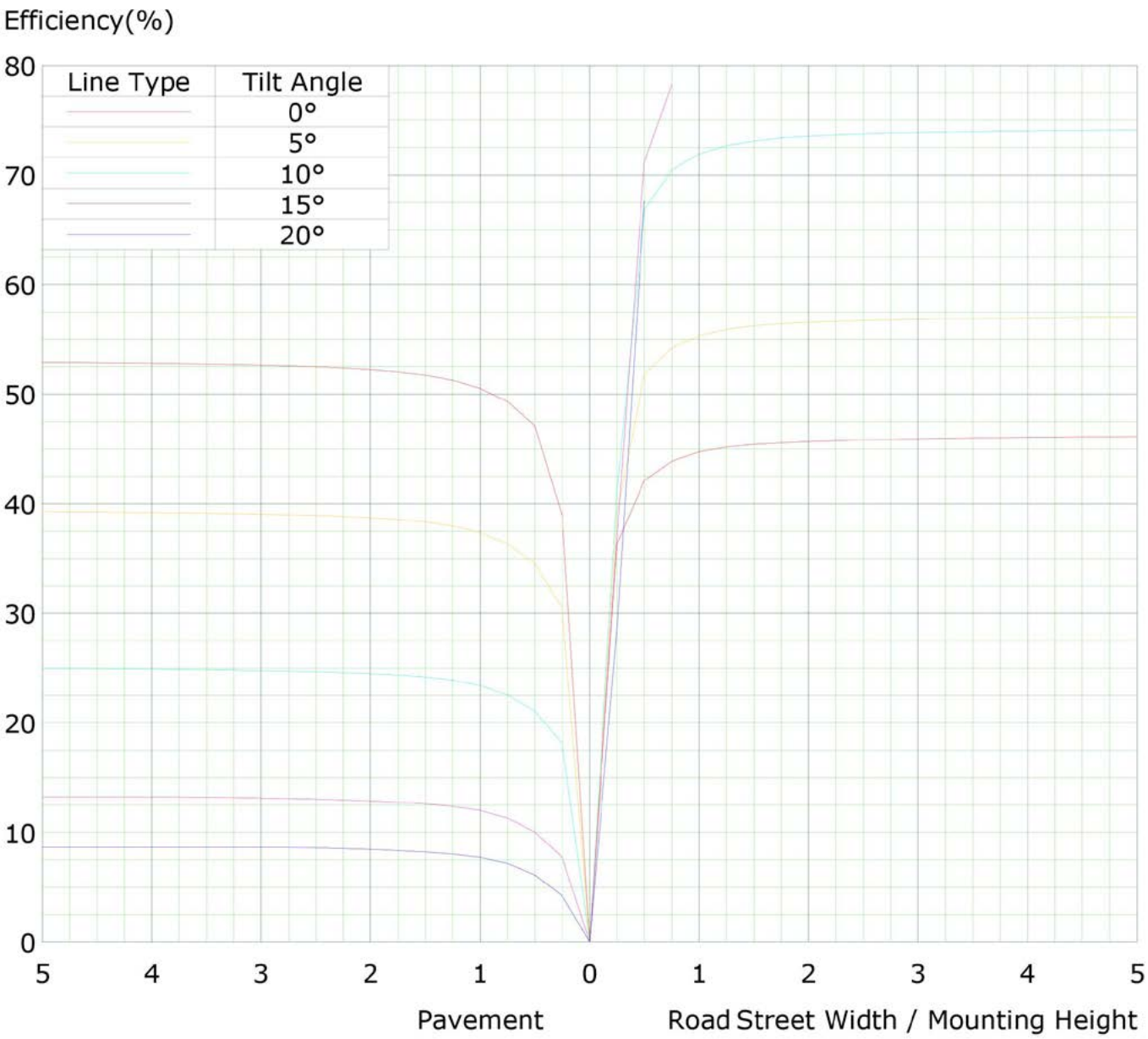
ROADWAY CU CURVE



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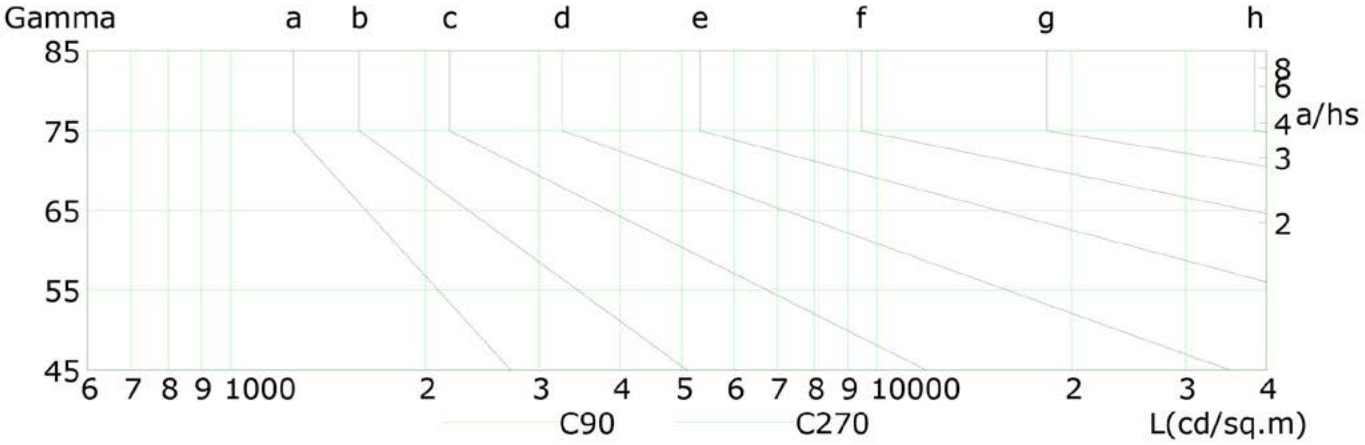
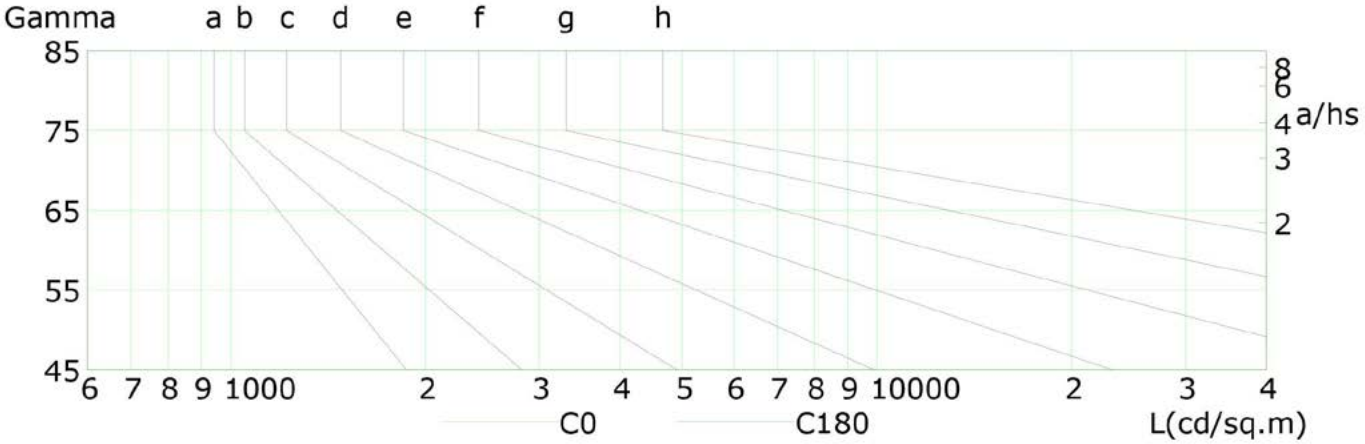
LUM LIMIT CURVE

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h





L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	74	60	47	33	25	16	13	13	13
C90	54	40	23	14	14	13	13	13	12
C180	68	54	41	30	21	13	12	11	10
C270	86	70	55	43	33	24	17	15	14

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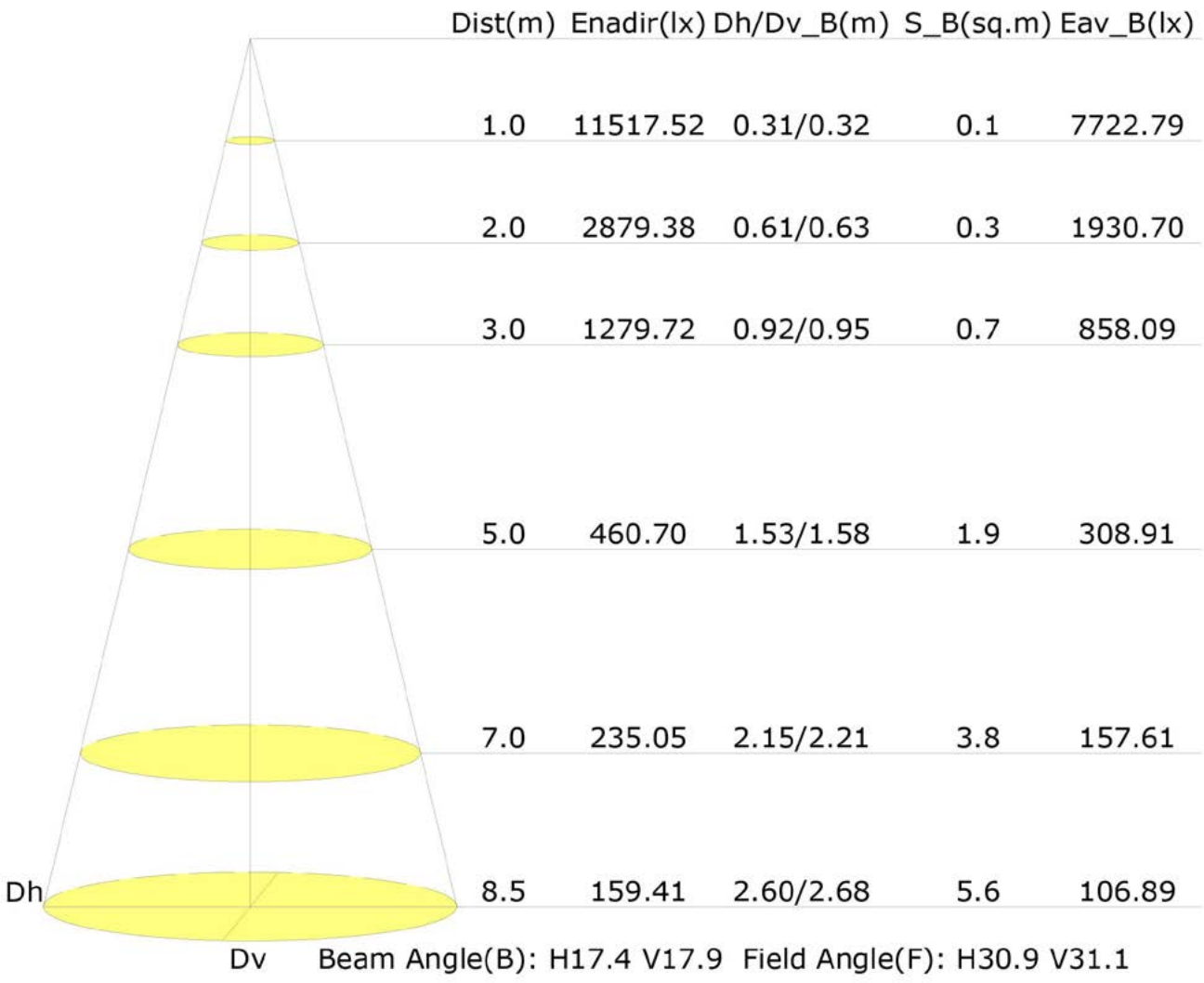
ILLUMINANCE AT A DISTANCE(BEAM ANGLE)



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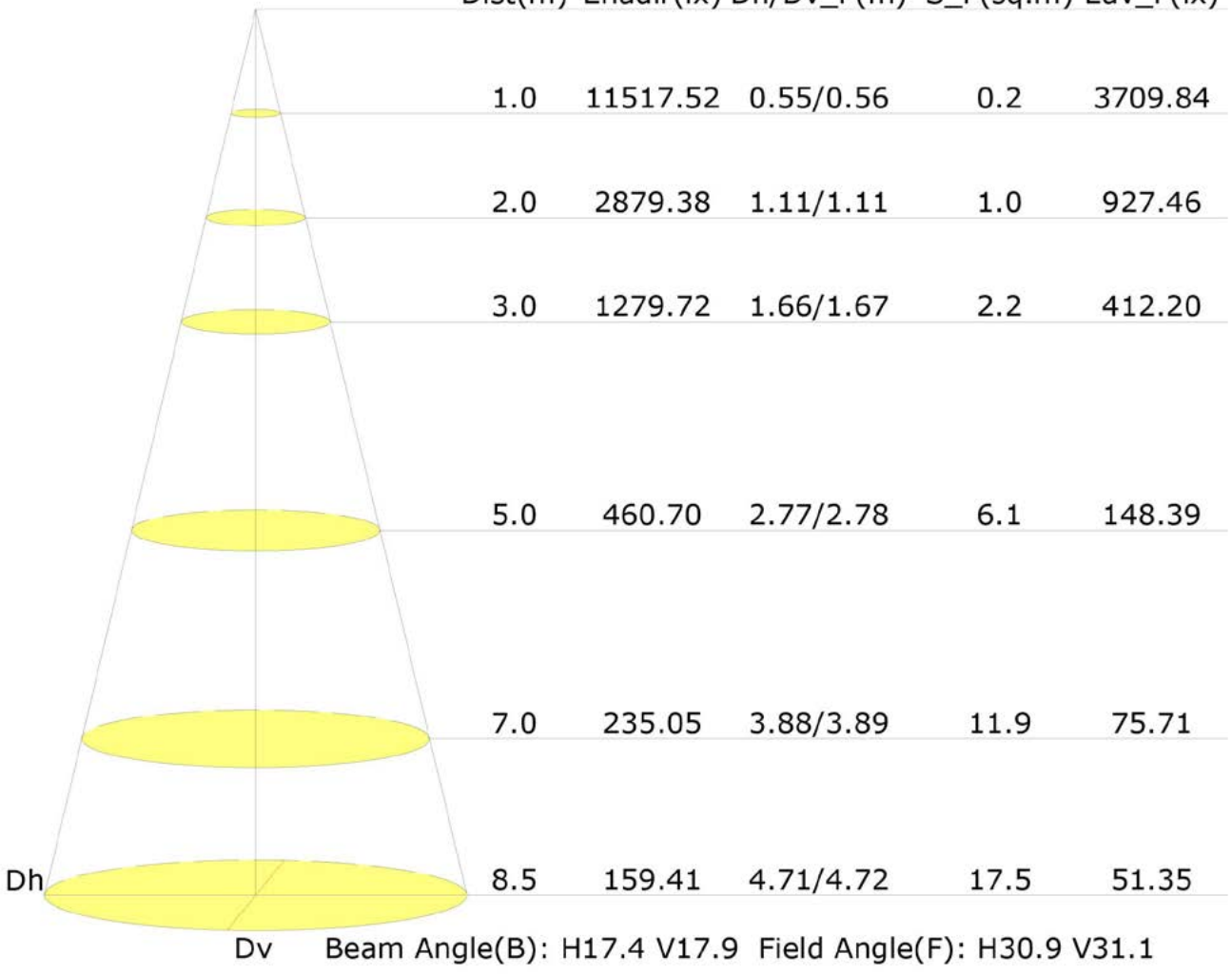
ILLUMINANCE AT A DISTANCE(FIELD ANGLE)



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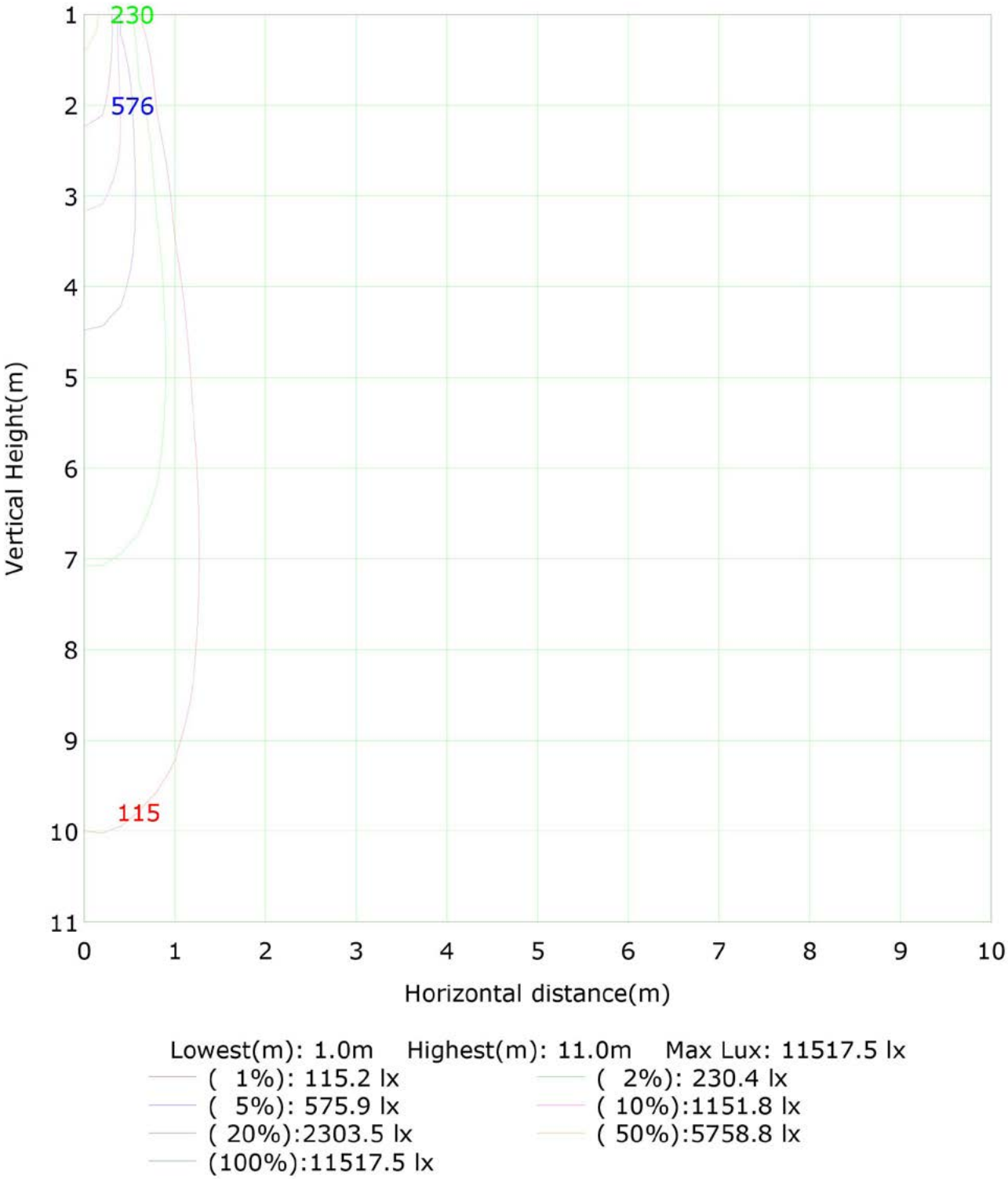
VERTICAL ISOLUX PLOT



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 11517.5 lx

(1%): 115.2 lx
(2%): 230.4 lx
(5%): 575.9 lx
(10%):1151.8 lx
(20%):2303.5 lx
(50%):5758.8 lx
(100%):11517.5 lx

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AREA FLUX TABLE

Unit: lx

Vertical plane \ Horizontal plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	Flux(T)	Flux(E)
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
-80.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.7	0.0	
-70.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.7	0.0	
-60.0	0.2	0.2	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2	7.6	0.0	
-50.0	0.3	0.3	0.4	0.6	0.9	1.1	1.3	1.4	1.5	1.4	1.3	1.0	0.7	0.5	0.3	0.3	0.3	0.3	13.7	0.0	
-40.0	0.3	0.4	0.6	0.9	1.3	1.7	2.0	2.3	2.5	2.5	2.3	1.9	1.3	0.7	0.4	0.3	0.3	0.3	22.2	0.0	
-30.0	0.4	0.4	0.8	1.2	1.9	2.4	3.1	4.5	5.9	6.1	4.5	3.0	2.0	1.1	0.5	0.4	0.4	0.4	38.9	0.0	
-20.0	0.4	0.5	0.9	1.5	2.3	3.1	5.2	11.0	29.0	29.2	11.8	4.7	2.7	1.4	0.7	0.4	0.4	0.4	105.7	33.1	
-10.0	0.4	0.5	1.0	1.7	2.6	3.7	7.8	47.8	206.2	165.1	29.8	6.6	3.1	1.6	0.7	0.4	0.4	0.4	479.8	424.4	
0.0	0.4	0.5	1.0	1.7	2.6	3.9	9.0	58.1	240.3	203.3	32.2	6.7	3.1	1.7	0.8	0.4	0.4	0.4	566.6	511.8	
10.0	0.4	0.5	0.9	1.6	2.4	3.4	6.7	19.4	52.4	48.4	13.0	5.1	2.7	1.5	0.7	0.4	0.4	0.4	160.2	84.8	
20.0	0.4	0.5	0.8	1.3	1.9	2.7	3.8	6.2	9.1	8.5	5.3	3.2	2.1	1.2	0.6	0.4	0.4	0.4	48.6	0.0	
30.0	0.4	0.4	0.6	0.9	1.4	1.8	2.3	2.7	3.0	2.9	2.5	2.0	1.4	0.9	0.5	0.4	0.3	0.3	24.7	0.0	
40.0	0.3	0.3	0.4	0.6	0.9	1.1	1.3	1.5	1.6	1.6	1.4	1.2	0.9	0.6	0.4	0.3	0.3	0.3	15.0	0.0	
50.0	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.2	0.2	0.2	8.3	0.0	
60.0	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.0	0.0	
70.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.8	0.0	
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
90.0																					
Flux(T)	4.8	5.4	8.4	13.3	19.6	26.8	44.8	157.2	553.9	471.5	106.2	37.3	21.5	12.4	6.8	4.8	4.5	4.5	1504		
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.8	505.8	422.2	35.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1054	

Flux(T) Flux(E)

Horizontal plane

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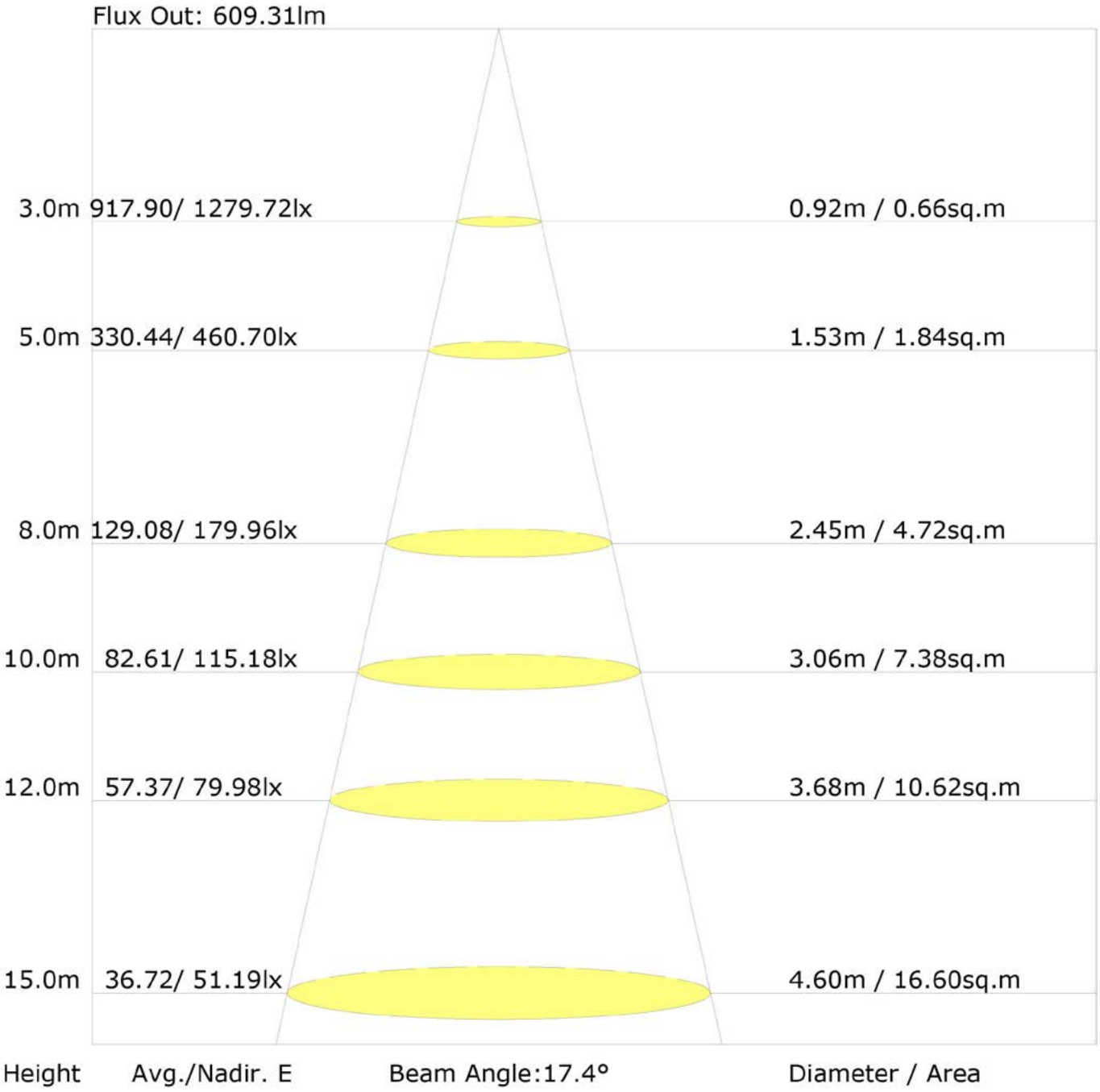
Éclairage architectural LED

THE AVERAGE ILLUMINANCE EFFECTIVE FIGURE



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UGR TABLE

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference 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	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
3H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
4H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
6H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
8H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
12H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
X=4H Y=2H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
3H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
4H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
6H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
8H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
12H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
X=8H Y=4H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
6H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
8H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
12H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
X=12H Y=4H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
6H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$
8H	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$	1.$

Calculate in accordance with CIE 190:2010

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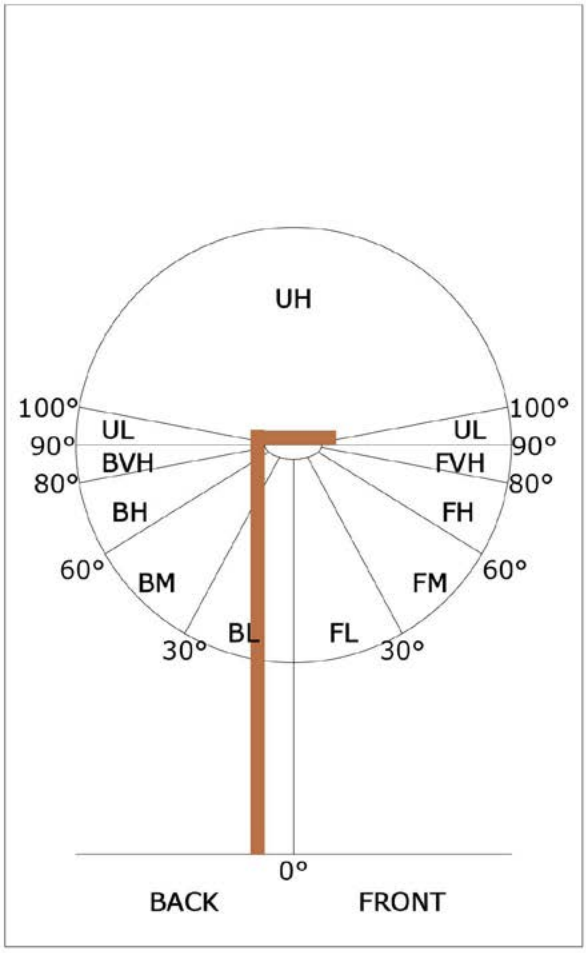
FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	670	44.5
FL (0°-30°)	575	38.2
FM (30°-60°)	73	4.8
FH (60°-80°)	15	1.0
FVH (80°-90°)	7	0.5
BACK LIGHT	835	55.5
BL (0°-30°)	712	47.3
BM (30°-60°)	92	6.1
BH (60°-80°)	23	1.6
BVH (80°-90°)	7	0.5
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U0 G0

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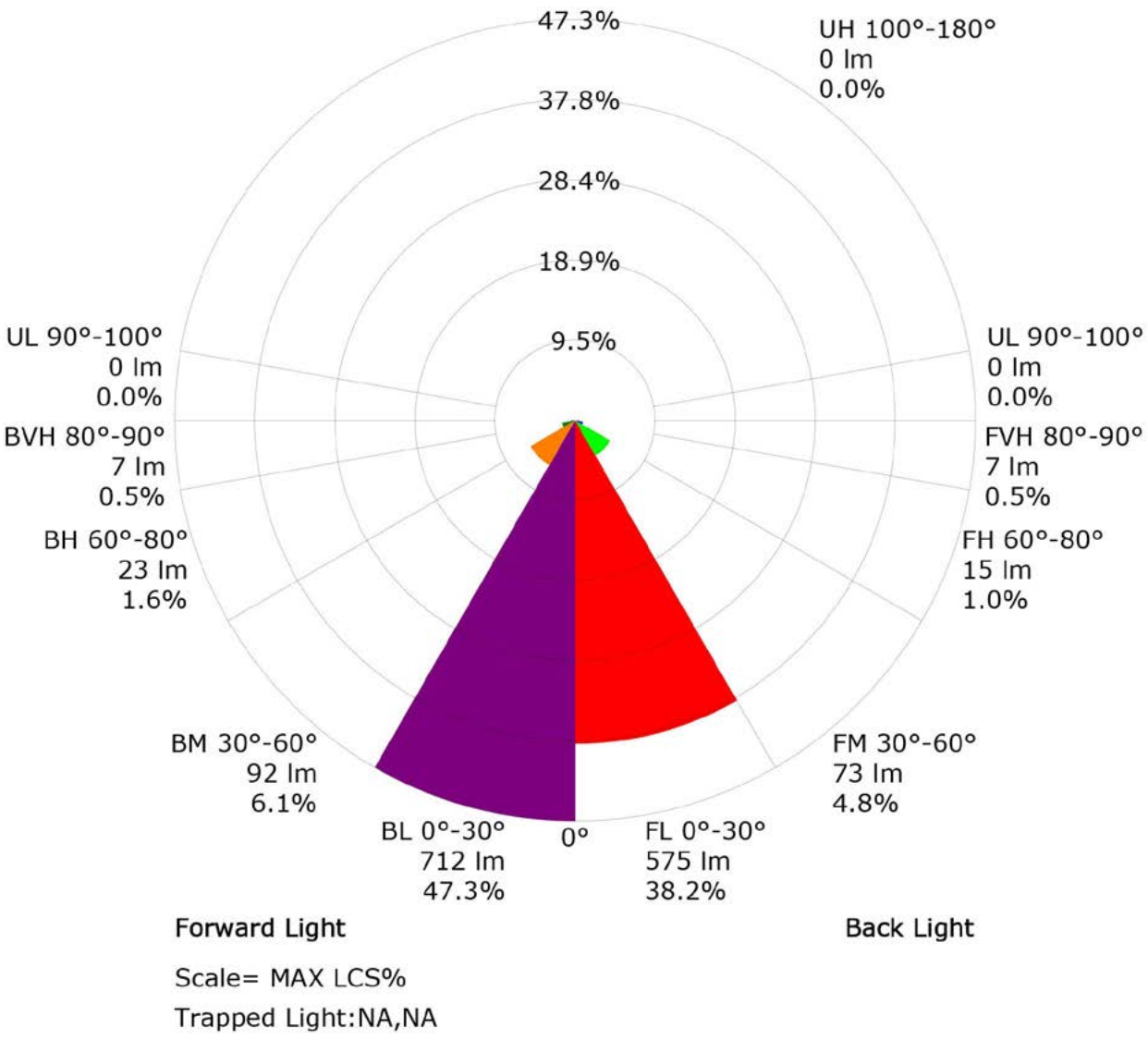
LCS GRAPH



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UTILISATION FACTOR TABLE(FLOOR CAVITY)

Utilisation Factors UF(F)			SHR NOM = 0.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.97	1.01	1.04	1.07	1.10	1.12	1.14	1.16	1.17
	0.30		0.93	0.97	1.01	1.03	1.07	1.09	1.11	1.13	1.15
	0.20		0.90	0.95	0.98	1.00	1.04	1.07	1.09	1.11	1.13
0.50	0.50	0.20	0.96	1.00	1.02	1.04	1.07	1.09	1.10	1.12	1.13
	0.30		0.92	0.96	0.99	1.01	1.04	1.06	1.08	1.10	1.11
	0.20		0.90	0.94	0.97	0.99	1.02	1.04	1.06	1.08	1.10
0.30	0.50	0.20	0.94	0.98	1.00	1.02	1.04	1.06	1.07	1.08	1.09
	0.30		0.91	0.95	0.98	1.00	1.02	1.04	1.05	1.07	1.08
	0.20		0.89	0.93	0.96	0.98	1.00	1.02	1.04	1.05	1.07
0.00	0.00	0.00	0.88	0.91	0.93	0.95	0.97	0.99	1.00	1.01	1.02

Rating:43W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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UTILISATION FACTOR TABLE(WALL)

Utilisation Factors UF(W) SHR NOM = 0.50

Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.49	0.41	0.35	0.31	0.25	0.21	0.18	0.14	0.12
	0.30		0.41	0.35	0.31	0.27	0.22	0.19	0.17	0.13	0.11
	0.20		0.35	0.31	0.27	0.24	0.20	0.18	0.15	0.12	0.11
0.50	0.50	0.20	0.47	0.38	0.33	0.29	0.23	0.23	0.16	0.13	0.10
	0.30		0.39	0.33	0.29	0.26	0.21	0.18	0.15	0.12	0.10
	0.20		0.34	0.29	0.26	0.23	0.19	0.16	0.14	0.12	0.10
0.30	0.50	0.20	0.44	0.36	0.31	0.26	0.21	0.17	0.15	0.12	0.10
	0.30		0.38	0.32	0.27	0.24	0.19	0.16	0.14	0.11	0.09
	0.20		0.33	0.28	0.25	0.22	0.18	0.15	0.13	0.11	0.09
0.00	0.00	0.00	0.18	0.15	0.12	0.11	0.09	0.07	0.06	0.05	0.04

Rating:43W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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UTILISATION FACTOR TABLE(CEILING CAVITY)

Utilisation Factors UF(C) SHR NOM = 0.50

Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
	0.30		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.20	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	0.19
0.50	0.50	0.20	0.12	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21
	0.30		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:43W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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ZONAL LUMEN

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	11244.5	10.8	10.8	0.71	0.71
1.0-2.0	11052.0	31.7	42.5	2.11	2.82
2.0-3.0	10702.9	51.2	93.7	3.40	6.22
3.0-4.0	10216.1	68.4	162.1	4.54	10.77
4.0-5.0	9605.1	82.6	244.7	5.49	16.26
5.0-6.0	8874.5	93.3	338.0	6.20	22.45
6.0-7.0	8015.7	99.5	437.5	6.61	29.06
7.0-8.0	7056.0	101.0	538.5	6.71	35.77
8.0-9.0	6047.2	98.0	636.5	6.51	42.28
9.0-10.0	5034.5	91.1	727.6	6.05	48.34
10.0-11.0	4087.5	81.7	809.3	5.43	53.76
11.0-12.0	3260.4	71.3	880.6	4.74	58.50
12.0-13.0	2556.5	60.7	941.3	4.03	62.53
13.0-14.0	1978.9	50.7	991.9	3.37	65.90
14.0-15.0	1526.0	41.9	1033.8	2.78	68.68
15.0-16.0	1184.4	34.7	1068.5	2.31	70.98
16.0-17.0	932.2	29.0	1097.6	1.93	72.91
17.0-18.0	747.7	24.7	1122.2	1.64	74.55
18.0-19.0	615.0	21.4	1143.6	1.42	75.97
19.0-20.0	518.7	19.0	1162.6	1.26	77.23
20.0-21.0	446.6	17.2	1179.8	1.14	78.37
21.0-22.0	390.9	15.7	1195.5	1.04	79.42
22.0-23.0	346.4	14.5	1210.0	0.97	80.38
23.0-24.0	309.0	13.5	1223.5	0.90	81.28
24.0-25.0	276.4	12.6	1236.1	0.84	82.12
25.0-26.0	248.0	11.7	1247.8	0.78	82.89
26.0-27.0	223.1	10.9	1258.7	0.73	83.62
27.0-28.0	201.2	10.2	1268.9	0.68	84.30
28.0-29.0	182.3	9.5	1278.5	0.63	84.93
29.0-30.0	165.8	9.0	1287.4	0.59	85.52
30.0-31.0	151.7	8.4	1295.9	0.56	86.08
31.0-32.0	139.9	8.0	1303.9	0.53	86.62
32.0-33.0	130.0	7.7	1311.5	0.51	87.13
33.0-34.0	121.8	7.4	1318.9	0.49	87.62
34.0-35.0	115.0	7.1	1326.0	0.47	88.09
35.0-36.0	109.4	7.0	1333.0	0.46	88.55

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ZONAL LUMEN - 1

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	104.5	6.8	1339.8	0.45	89.01
37.0-38.0	99.9	6.7	1346.5	0.44	89.45
38.0-39.0	95.7	6.5	1353.0	0.43	89.88
39.0-40.0	91.6	6.4	1359.4	0.42	90.31
40.0-41.0	87.6	6.2	1365.7	0.41	90.72
41.0-42.0	83.7	6.1	1371.7	0.40	91.13
42.0-43.0	79.9	5.9	1377.7	0.39	91.52
43.0-44.0	76.2	5.8	1383.4	0.38	91.90
44.0-45.0	72.7	5.6	1389.0	0.37	92.27
45.0-46.0	69.4	5.4	1394.4	0.36	92.63
46.0-47.0	66.1	5.3	1399.7	0.35	92.98
47.0-48.0	63.1	5.1	1404.8	0.34	93.32
48.0-49.0	60.2	4.9	1409.7	0.33	93.65
49.0-50.0	57.2	4.8	1414.5	0.32	93.97
50.0-51.0	54.3	4.6	1419.1	0.31	94.27
51.0-52.0	51.5	4.4	1423.5	0.29	94.57
52.0-53.0	48.8	4.2	1427.8	0.28	94.85
53.0-54.0	46.0	4.1	1431.8	0.27	95.12
54.0-55.0	43.3	3.9	1435.7	0.26	95.37
55.0-56.0	40.8	3.7	1439.4	0.24	95.62
56.0-57.0	38.3	3.5	1442.9	0.23	95.85
57.0-58.0	36.0	3.3	1446.2	0.22	96.07
58.0-59.0	33.7	3.2	1449.3	0.21	96.28
59.0-60.0	31.6	3.0	1452.3	0.20	96.48
60.0-61.0	29.7	2.8	1455.2	0.19	96.67
61.0-62.0	28.1	2.7	1457.9	0.18	96.85
62.0-63.0	26.6	2.6	1460.5	0.17	97.02
63.0-64.0	25.1	2.5	1462.9	0.16	97.18
64.0-65.0	23.7	2.3	1465.3	0.16	97.34
65.0-66.0	22.5	2.2	1467.5	0.15	97.49
66.0-67.0	21.3	2.1	1469.7	0.14	97.63
67.0-68.0	20.2	2.1	1471.7	0.14	97.77
68.0-69.0	19.2	2.0	1473.7	0.13	97.90
69.0-70.0	18.2	1.9	1475.5	0.12	98.02
70.0-71.0	17.2	1.8	1477.3	0.12	98.14
71.0-72.0	16.4	1.7	1479.0	0.11	98.25

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ZONAL LUMEN - 2

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	15.6	1.6	1480.7	0.11	98.36
73.0-74.0	15.0	1.6	1482.2	0.10	98.47
74.0-75.0	14.5	1.5	1483.8	0.10	98.57
75.0-76.0	14.1	1.5	1485.3	0.10	98.67
76.0-77.0	13.9	1.5	1486.7	0.10	98.77
77.0-78.0	13.6	1.5	1488.2	0.10	98.86
78.0-79.0	13.5	1.5	1489.7	0.10	98.96
79.0-80.0	13.4	1.4	1491.1	0.10	99.06
80.0-81.0	13.3	1.4	1492.5	0.10	99.15
81.0-82.0	13.2	1.4	1494.0	0.09	99.25
82.0-83.0	13.1	1.4	1495.4	0.09	99.34
83.0-84.0	13.0	1.4	1496.8	0.09	99.43
84.0-85.0	12.9	1.4	1498.2	0.09	99.53
85.0-86.0	12.9	1.4	1499.6	0.09	99.62
86.0-87.0	12.9	1.4	1501.1	0.09	99.72
87.0-88.0	12.9	1.4	1502.5	0.09	99.81
88.0-89.0	13.0	1.4	1503.9	0.09	99.90
89.0-90.0	13.1	1.4	1505.3	0.10	100.00

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Éclairage architectural LED

CANDLEPOWER TABLE

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	106.0	99.7	101.6	96.6	87.7	95.3	99.5	95.0	91.9	94.8
G38.0	100.3	96.3	97.9	91.4	82.5	89.8	95.8	91.4	88.5	91.1
G39.0	94.5	92.1	93.2	86.9	77.2	84.8	91.1	87.4	85.1	87.4
G40.0	90.6	88.7	89.0	82.2	73.0	80.4	84.8	84.0	81.7	84.6
G41.0	86.7	85.6	84.3	77.8	67.8	74.3	80.1	80.1	78.5	81.7
G42.0	83.5	81.7	80.4	72.5	63.1	68.3	75.1	75.1	75.9	79.3
G43.0	80.4	77.8	75.9	67.3	59.7	63.1	70.2	70.7	73.0	76.4
G44.0	77.8	73.8	71.5	62.3	57.1	59.2	64.7	66.5	70.7	73.8
G45.0	74.3	71.5	66.2	57.6	53.7	55.8	59.2	62.6	67.8	71.5
G46.0	71.5	67.8	61.5	53.9	50.3	51.6	55.2	58.9	64.7	69.1
G47.0	68.6	64.1	58.1	51.0	47.4	48.2	51.3	55.8	62.0	66.8
G48.0	65.4	61.3	55.0	46.9	45.0	45.0	47.9	52.3	59.7	64.7
G49.0	62.8	57.8	51.8	44.0	42.7	41.4	44.5	49.7	57.6	62.0
G50.0	59.9	54.7	48.4	40.6	39.5	38.5	41.1	47.4	54.5	59.9
G51.0	57.6	51.3	45.5	38.2	36.7	36.1	38.5	44.5	50.8	56.8
G52.0	54.7	48.4	41.6	36.1	33.0	34.5	35.1	42.4	48.2	54.7
G53.0	52.3	46.6	38.2	33.8	29.3	31.1	31.7	40.0	45.5	52.9
G54.0	49.2	44.5	35.1	31.1	26.2	28.5	29.1	36.9	43.5	51.0
G55.0	46.6	42.4	32.7	28.0	23.3	25.4	26.7	33.2	41.1	49.2
G56.0	44.0	39.5	31.1	25.4	20.9	22.8	25.9	30.6	38.7	47.4
G57.0	40.6	36.1	28.8	23.6	19.4	20.7	24.3	28.5	36.1	44.8
G58.0	38.0	33.5	27.0	21.2	16.8	19.4	23.0	26.2	34.0	42.4
G59.0	35.6	30.1	24.9	19.6	15.7	17.5	21.2	24.6	31.9	39.5
G60.0	33.2	28.0	23.6	18.3	14.4	16.2	19.4	23.3	30.1	36.9
G61.0	31.1	25.9	21.5	17.0	14.1	15.2	17.5	21.5	28.8	34.5
G62.0	28.8	24.3	19.6	16.2	14.1	14.7	16.8	20.7	27.0	33.5
G63.0	27.0	22.3	18.1	15.7	14.1	14.7	15.7	19.6	24.9	31.9
G64.0	25.9	20.9	17.3	15.2	13.6	14.7	15.2	17.3	22.3	30.1
G65.0	24.9	19.6	16.5	15.2	13.9	14.1	13.9	17.3	21.2	28.0
G66.0	22.8	17.5	15.4	15.2	13.6	14.4	13.6	16.5	19.6	26.4
G67.0	21.2	16.2	15.2	14.9	13.9	14.1	13.6	15.7	16.8	25.4
G68.0	19.9	15.4	14.9	14.7	13.6	13.9	13.6	14.9	15.2	24.9
G69.0	17.3	15.2	14.9	14.4	13.4	13.9	13.6	14.7	14.1	21.5
G70.0	15.7	14.4	14.7	14.4	13.4	13.6	13.4	14.4	13.4	18.9
G71.0	14.1	13.6	14.4	14.1	13.4	13.6	13.1	14.1	12.8	17.3
G72.0	14.4	13.9	14.1	14.1	13.1	13.4	13.1	14.1	12.3	15.4
G73.0	13.4	13.6	14.1	13.6	12.8	12.8	12.8	13.9	12.6	14.1

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Éclairage architectural LED

CANDLEPOWER TABLE - 1

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	12.8	13.4	14.1	13.6	12.8	13.1	13.1	13.9	12.3	13.9
G75.0	13.1	13.1	13.9	13.4	12.8	12.8	12.8	13.6	12.3	13.6
G76.0	12.8	13.1	13.4	13.9	12.8	12.6	12.8	13.4	12.0	13.9
G77.0	12.8	12.8	13.4	13.9	13.1	12.3	12.8	13.4	12.0	13.1
G78.0	12.8	12.6	13.4	13.4	12.6	12.3	13.1	13.1	11.5	12.8
G79.0	12.8	12.6	13.4	13.4	12.6	12.6	12.8	13.4	11.8	12.6
G80.0	12.6	12.3	13.4	13.4	12.8	12.6	12.6	13.1	10.7	12.8
G81.0	12.8	12.3	13.1	13.1	13.1	12.3	12.8	12.8	10.7	12.6
G82.0	12.0	12.3	13.1	12.8	12.6	12.6	12.8	12.6	10.7	12.6
G83.0	12.3	12.3	13.1	13.1	12.6	12.8	12.8	12.8	10.7	12.3
G84.0	12.3	11.8	13.1	12.3	12.3	13.1	12.8	12.6	10.5	12.3
G85.0	12.6	12.3	13.1	12.6	12.3	12.6	12.6	12.8	10.2	12.3
G86.0	12.6	12.0	13.6	12.6	12.3	12.6	12.8	13.6	10.2	12.0
G87.0	12.3	11.5	13.6	12.6	12.8	12.8	12.8	13.9	10.2	12.3
G88.0	12.3	11.5	13.4	12.6	12.8	12.8	12.8	13.6	9.7	12.6
G89.0	12.6	11.8	13.1	12.8	12.6	12.6	14.1	13.9	10.2	13.1
G90.0	12.6	11.8	12.8	13.1	12.3	13.6	13.9	13.6	10.7	12.6

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Éclairage architectural LED

CANDLEPOWER TABLE - 2

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	11385.1	11335.1	11284.5	11227.2	11141.9	11054.5	11517.5			
G1.0	11280.1	11262.6	11253.7	11183.5	11101.3	10964.2	11584.8			
G2.0	11012.0	11073.8	11093.7	11010.0	10914.7	10756.6	11479.8			
G3.0	10675.2	10836.1	10917.3	10800.0	10691.1	10481.7	11239.8			
G4.0	10186.4	10519.4	10661.8	10586.4	10472.0	10205.8	10923.0			
G5.0	9572.8	10068.9	10346.6	10326.7	10241.1	9845.1	10523.1			
G6.0	8807.4	9455.0	9907.4	9944.6	9830.2	9283.1	10050.3			
G7.0	7869.3	8620.8	9253.2	9294.6	9229.9	8503.0	9314.0			
G8.0	6751.8	7697.0	8367.7	8430.5	8320.5	7546.8	8428.1			
G9.0	5695.5	6624.0	7377.1	7409.3	7254.1	6424.0	7300.2			
G10.0	4596.9	5530.9	6251.3	6312.8	6050.8	5258.9	6104.2			
G11.0	3633.6	4454.0	5214.1	5168.3	4952.1	4241.4	5010.5			
G12.0	2793.3	3550.1	4190.9	4199.8	3968.4	3357.7	4022.1			
G13.0	2093.4	2680.5	3278.9	3282.3	3165.3	2636.0	3143.1			
G14.0	1537.1	1997.8	2510.1	2545.9	2442.3	2057.8	2456.9			
G15.0	1121.9	1457.0	1861.2	1955.7	1920.3	1600.2	1914.8			
G16.0	828.5	1035.6	1399.2	1500.7	1507.5	1292.9	1502.3			
G17.0	629.8	758.3	1039.2	1160.4	1199.2	1045.2	1184.0			
G18.0	496.8	581.4	786.1	911.7	976.4	871.2	957.0			
G19.0	410.7	460.7	611.0	738.5	811.0	742.4	796.3			
G20.0	356.3	383.0	495.3	615.7	700.0	641.3	672.7			
G21.0	320.1	338.2	418.8	526.2	604.4	558.1	570.7			
G22.0	292.7	306.8	365.7	459.4	531.1	491.9	492.9			
G23.0	272.0	285.9	327.0	409.4	469.1	429.8	428.3			
G24.0	253.6	266.0	297.6	362.8	419.9	374.1	370.7			
G25.0	234.3	247.6	269.4	323.5	365.7	328.8	324.6			
G26.0	216.7	230.6	247.6	289.0	322.0	287.4	281.9			
G27.0	198.7	213.9	226.7	258.9	283.2	252.6	248.2			
G28.0	181.4	196.3	209.1	233.0	249.7	222.8	220.4			
G29.0	166.2	179.1	191.9	208.9	219.9	197.6	195.8			
G30.0	153.1	163.6	176.4	188.2	195.8	177.2	175.6			
G31.0	140.8	150.0	163.3	171.7	176.4	161.0	158.6			
G32.0	130.6	137.7	151.6	156.8	161.0	147.1	145.0			
G33.0	122.0	128.8	140.6	144.8	147.6	136.4	134.0			
G34.0	115.2	120.7	131.9	134.8	137.9	127.7	125.7			
G35.0	109.7	114.7	124.1	127.0	129.8	120.9	118.1			
G36.0	105.2	109.7	118.8	120.7	124.1	114.9	111.8			

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Éclairage architectural LED

CANDLEPOWER TABLE - 3

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	101.3	105.8	113.9	115.7	118.3	110.2	106.0			
G38.0	97.6	102.1	109.7	111.5	113.9	105.2	100.3			
G39.0	94.2	98.9	105.8	107.6	109.2	101.3	94.5			
G40.0	90.6	96.3	101.6	104.4	104.7	97.1	90.6			
G41.0	87.4	93.7	97.6	101.0	99.7	93.2	86.7			
G42.0	84.6	91.4	94.8	97.9	95.6	89.3	83.5			
G43.0	81.9	89.0	92.1	94.2	91.6	85.1	80.4			
G44.0	79.6	86.7	88.7	90.8	87.9	80.4	77.8			
G45.0	77.2	84.0	85.9	87.9	83.8	77.2	74.3			
G46.0	74.9	81.9	83.5	84.0	80.6	74.1	71.5			
G47.0	72.0	79.3	79.8	81.2	77.0	70.7	68.6			
G48.0	69.1	77.0	76.4	78.8	73.6	68.1	65.4			
G49.0	66.5	74.1	73.3	75.1	70.7	65.2	62.8			
G50.0	63.9	71.5	69.9	72.3	67.5	62.0	59.9			
G51.0	61.3	68.8	66.8	69.4	64.4	59.7	57.6			
G52.0	58.9	66.0	63.6	66.5	61.8	57.6	54.7			
G53.0	56.3	62.3	60.5	63.3	58.9	54.7	52.3			
G54.0	53.7	59.2	57.3	60.2	56.0	52.1	49.2			
G55.0	51.3	56.0	55.5	57.1	52.9	50.3	46.6			
G56.0	49.0	52.6	52.6	53.9	50.0	48.2	44.0			
G57.0	47.1	49.5	50.0	51.3	47.6	45.5	40.6			
G58.0	44.5	46.1	48.2	47.9	45.0	43.7	38.0			
G59.0	42.7	43.5	45.5	44.8	42.7	41.6	35.6			
G60.0	40.3	41.1	43.5	42.7	40.8	38.7	33.2			
G61.0	38.7	39.3	41.4	40.0	38.0	36.4	31.1			
G62.0	37.2	37.4	39.3	37.7	36.1	34.0	28.8			
G63.0	35.9	35.6	36.9	35.6	34.0	31.7	27.0			
G64.0	33.0	33.5	34.5	33.2	31.9	30.1	25.9			
G65.0	30.6	32.2	33.2	31.4	30.4	28.5	24.9			
G66.0	27.2	29.6	31.4	30.4	28.5	27.2	22.8			
G67.0	25.1	28.3	29.8	28.8	27.2	24.9	21.2			
G68.0	23.3	27.2	28.5	27.8	24.9	23.8	19.9			
G69.0	21.7	25.6	26.2	26.7	23.3	23.0	17.3			
G70.0	20.9	23.6	24.1	24.6	22.3	21.2	15.7			
G71.0	19.4	22.5	21.2	23.0	20.9	19.6	14.1			
G72.0	18.1	21.2	19.9	20.7	20.7	17.5	14.4			
G73.0	17.3	19.1	18.6	19.4	19.6	16.2	13.4			

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Éclairage architectural LED

CANDLEPOWER TABLE - 4

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	16.0	17.5	17.5	18.3	18.6	14.9	12.8			
G75.0	15.4	16.2	17.0	17.3	17.0	14.1	13.1			
G76.0	14.9	15.7	16.0	16.5	16.5	13.9	12.8			
G77.0	14.4	15.2	15.7	16.0	15.4	13.9	12.8			
G78.0	14.1	15.2	15.7	15.7	14.7	13.6	12.8			
G79.0	13.9	14.7	15.4	15.7	14.9	13.4	12.8			
G80.0	13.9	14.7	15.4	15.4	14.7	13.6	12.6			
G81.0	13.4	14.4	15.4	15.4	14.7	13.4	12.8			
G82.0	13.4	14.1	14.9	15.2	14.7	13.1	12.0			
G83.0	13.4	14.1	14.9	15.2	14.4	13.4	12.3			
G84.0	12.8	14.1	14.9	14.9	14.1	13.4	12.3			
G85.0	13.4	13.9	14.4	14.4	13.9	13.1	12.6			
G86.0	13.4	13.9	14.7	14.1	13.9	12.8	12.6			
G87.0	13.6	13.6	14.4	14.1	13.9	12.6	12.3			
G88.0	13.4	13.6	14.4	14.1	13.6	12.8	12.3			
G89.0	13.6	14.4	14.1	13.4	13.6	12.8	12.6			
G90.0	13.1	13.9	14.4	14.4	14.1	12.8	12.6			

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Éclairage architectural LED

ACCESSOIRES

LLD.WDMXIP

INTERFACE DMX HF IP65

L'interface DMX LLD.WDMXIP est une interface DMX sans fil qui peut être utilisée en extérieur pour contrôler de nombreux appareils d'éclairage. Elle est simple d'utilisation et facile à installer.

SPÉCIFICATIONS TECHNIQUES

Boîtier	DMX HF IP65, Chaque boîtier peut être émetteur ou récepteur
Fréquence	2.45GHz, Sélection libre de la fréquence entre 2400MHz - 2524MHz
Distance de contrôle	250m
Récepteur	Maximum 16 récepteurs pour 1 émetteur
Canaux	512 canaux DMX par récepteur
Émetteur	Possibilité d'utiliser plusieurs émetteurs au même endroit, sur des fréquences différentes. Maximum 8192 canaux DMX par émetteur
Alimentation	100 - 240V
Dimensions	210x150x70mm
Poids	0.50Kg

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LTL.SP244IP40

Éclairage architectural LED

ACCESSOIRES

LLD.DD4IP

DISTRIBUTEUR DE DMX 4 CANAUX - AFFICHEUR LCD

Ce distributeur DMX s'accorde avec n'importe quel contrôleur DMX512 et appareil d'éclairage qui a un signal DMX.Le DD4IP est équipé d'une fonction test de signal DMX512. Il dispose d'une entrée signal DMX et de 4 sorties avec système d'amplificateur de signal séparé. Chaque sortie a un presse étoupe PG9 waterproof.

SPÉCIFICATIONS TECHNIQUES

Boitier	Boitier booster DMX
Protection	IP65
Entrée	1 entrée signal DMX
Sorties	4 sorties avec système d'amplificateur de signal séparé
Fusible	F0.9A250V.PTC.
Alimentation	100 - 240V 50/60Hz
Dimensions	208 x 145 x 55 mm
Poids	700g

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Éclairage architectural LED

ACCESSOIRES

CROCHETS CONTRE-PLAQUE ET COUPELLE D'APPUI

ECL.CP
Crochet noir Petit Modèle
Tige filtée 45x10mm
CMU : 20Kg

ECL.CS
Crochet noir
Tige filtée 60x10mm
CMU : 16.5Kg

ECL.CPGM
Crochet noir Grand Modèle
Tige filtée 60x16mm
CMU : 75Kg

ECL.CPGM7V
Crochet noir Grand Modèle
Tige filtée 60x16mm
CMU : 75Kg

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