

LTL.WL544IP100

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 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.

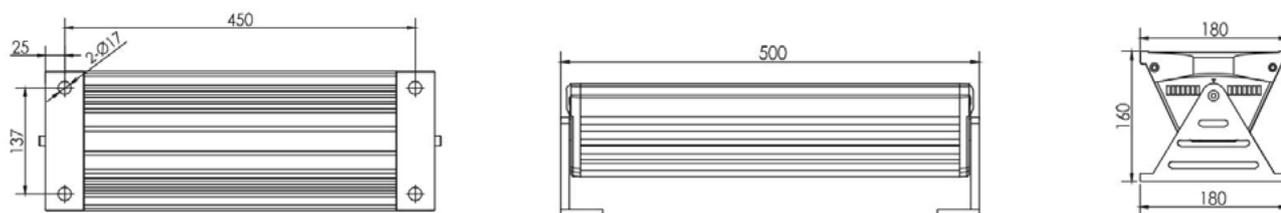
Cette source LED avec ses options d'angles de faisceaux elliptiques et multi-symétriques variés permet une définition très précise du flux quel que soit le contexte. C'est une source facile et rapide à installer avec une maintenance aisée si besoin. L'utilisation de l'aluminium anodisé et moulé sous 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.

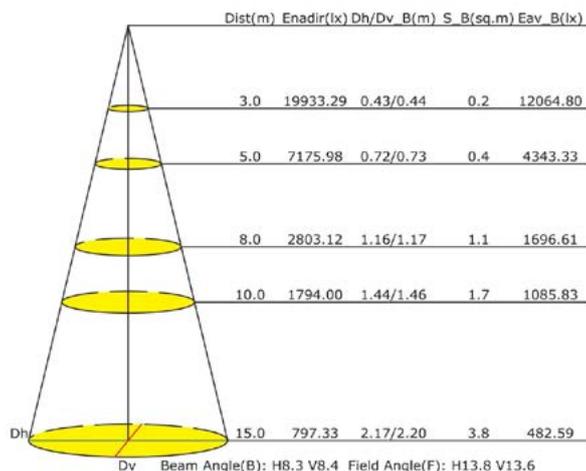
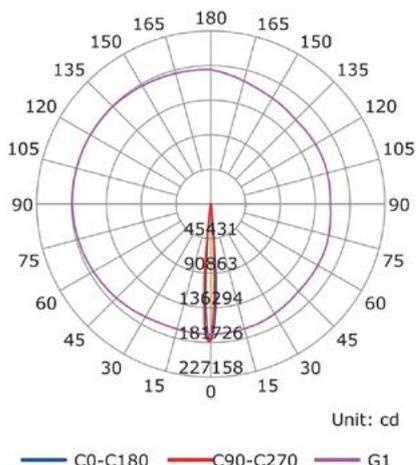
DIMENSIONS



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CARACTERISTIQUES



MOUNTING

Surface-mounted

SOURCE

CREE

CHIP'S QUANTITY

54pcs

POWER

104W

CCT

RGBW (14R+14G+14B+12W)

LUMINOUS FLUX

5500LM

LUMEN MAINTENANCE

50,000 hrs at 35°C

BEAM ANGLE

5° 12.5° 20° 30° 45°

INPUT VOLTAGE

100-240V AC 50/60Hz

DRIVER IN-BUILT

MW driver in-built

SAFETY CLASS

CLASS I

CONTROL

DMX512

IP RATING

IP66

CERTIFICATE

CE RoHS

HOUSING

Stretching Aluminium

DIFFUSER

Clear Tempered Glass

FINISHED

Surface electrostatic spray

PACKING - WEIGHT

720×440×365mm - 10Kg

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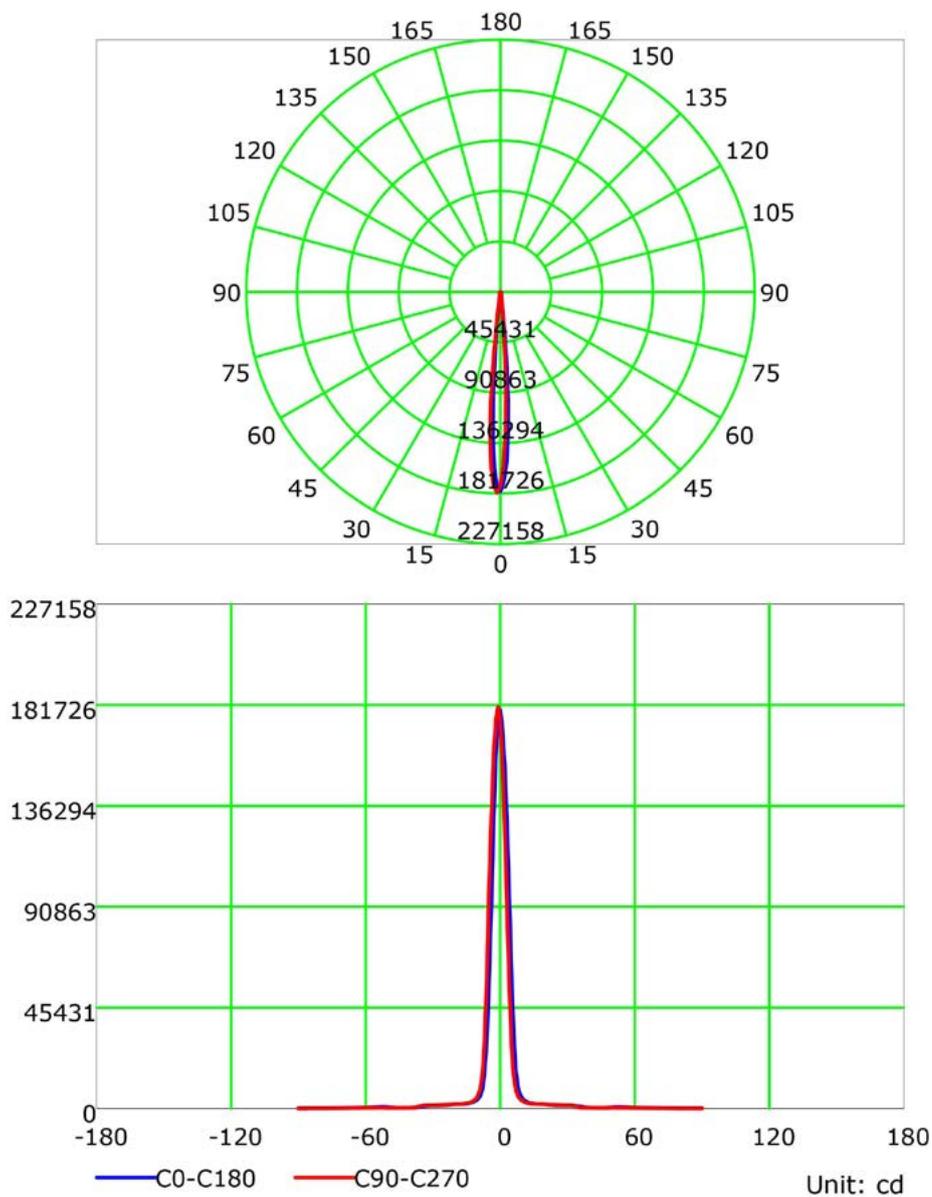
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DONNÉES TECHNIQUES

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1600B
 Distance: 8.660 m
 Humidity: 65
 Inspector:

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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	94	86	81	78	92	86	81	77	84	80	77	83	79	76	82	78	76	75
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
9	87	79	75	72	86	79	74	72	78	74	71	77	74	71	76	73	71	70
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

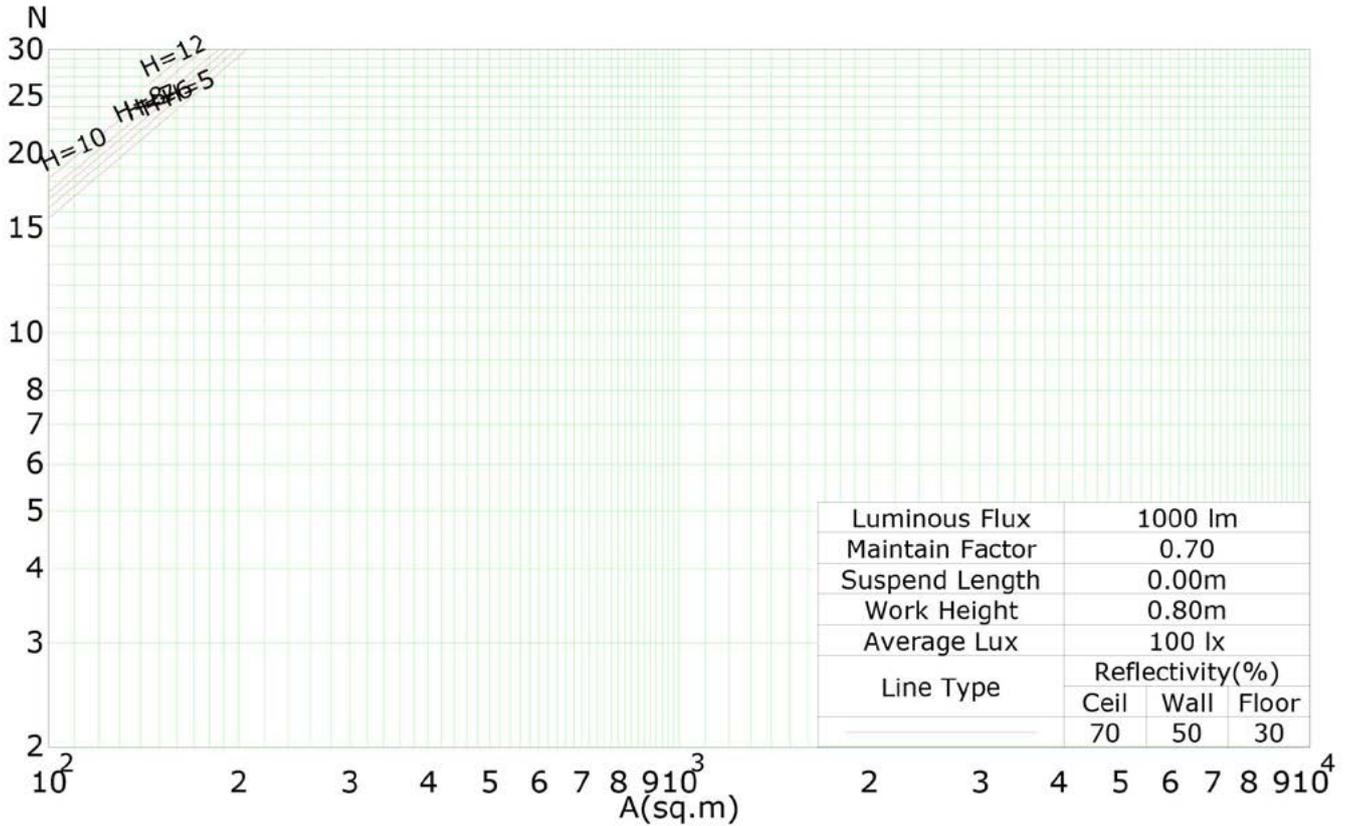
Spacing Criteria (0-180): 0.14
 Spacing Criteria (90-270): 0.15
 Spacing Criteria (Diagonal): 0.14



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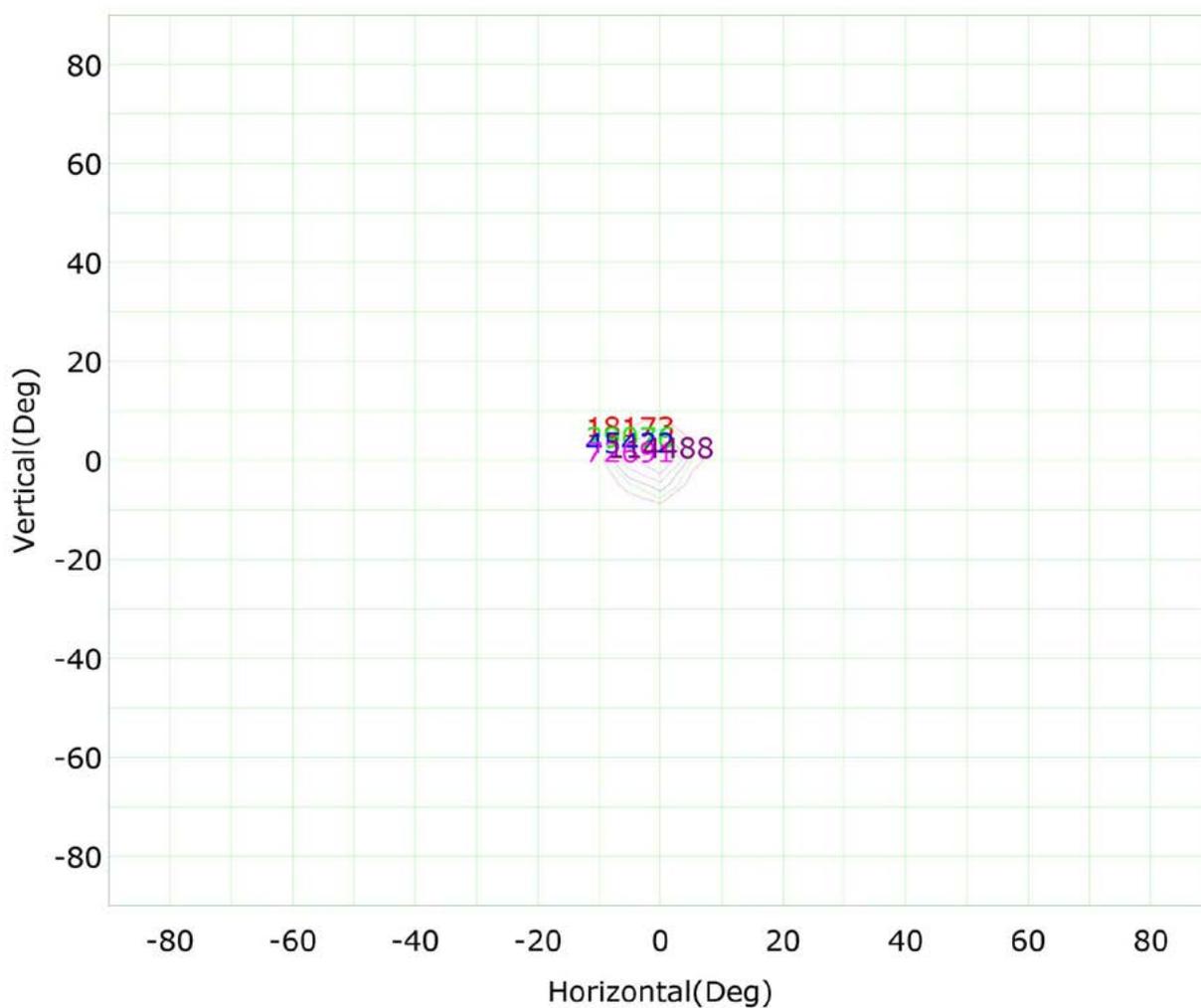
CURVES OF LUMINAIRES VS LIGHTING AREA



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ISOCANDELA (RECTANGLE)



Imax (100%): 181727 cd

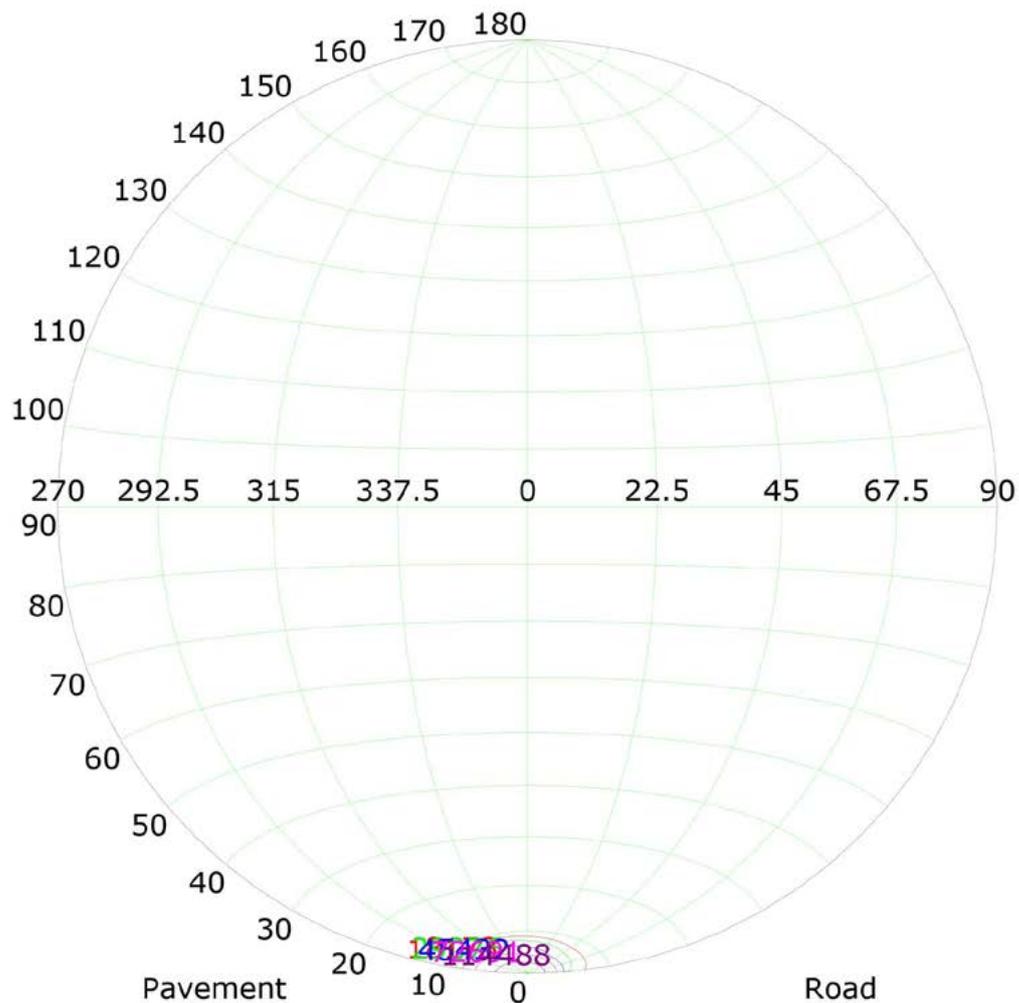
- | | |
|-------------------|-------------------|
| (10%): 18173 cd | (16%): 29076 cd |
| (25%): 45432 cd | (40%): 72691 cd |
| (63%): 114488 cd | (100%): 181727 cd |



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ISOCANDELA (SPHERE)



Imax (100%): 181727 cd

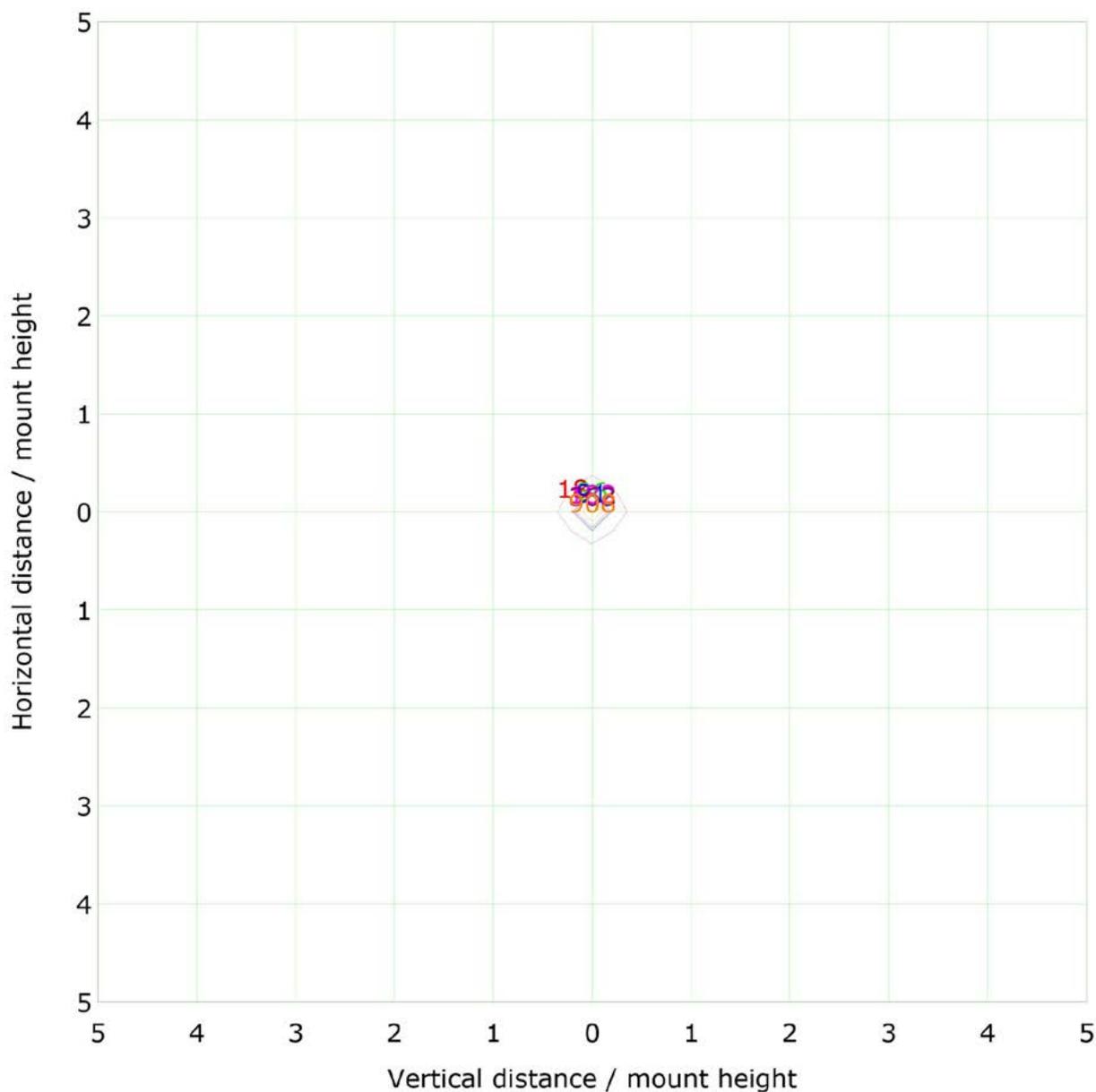
- (10%): 18173 cd
- (16%): 29076 cd
- (25%): 45432 cd
- (40%): 72691 cd
- (63%): 114488 cd
- (100%): 181727 cd



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ISOLUX PLOT



Mounting Height: 10.0m Max Lux(100%): 1816.4 lx

(1%): 18.2 lx	(2%): 36.3 lx
(5%): 90.8 lx	(10%): 181.6 lx
(20%): 363.3 lx	(50%): 908.2 lx
(100%):1816.4 lx	

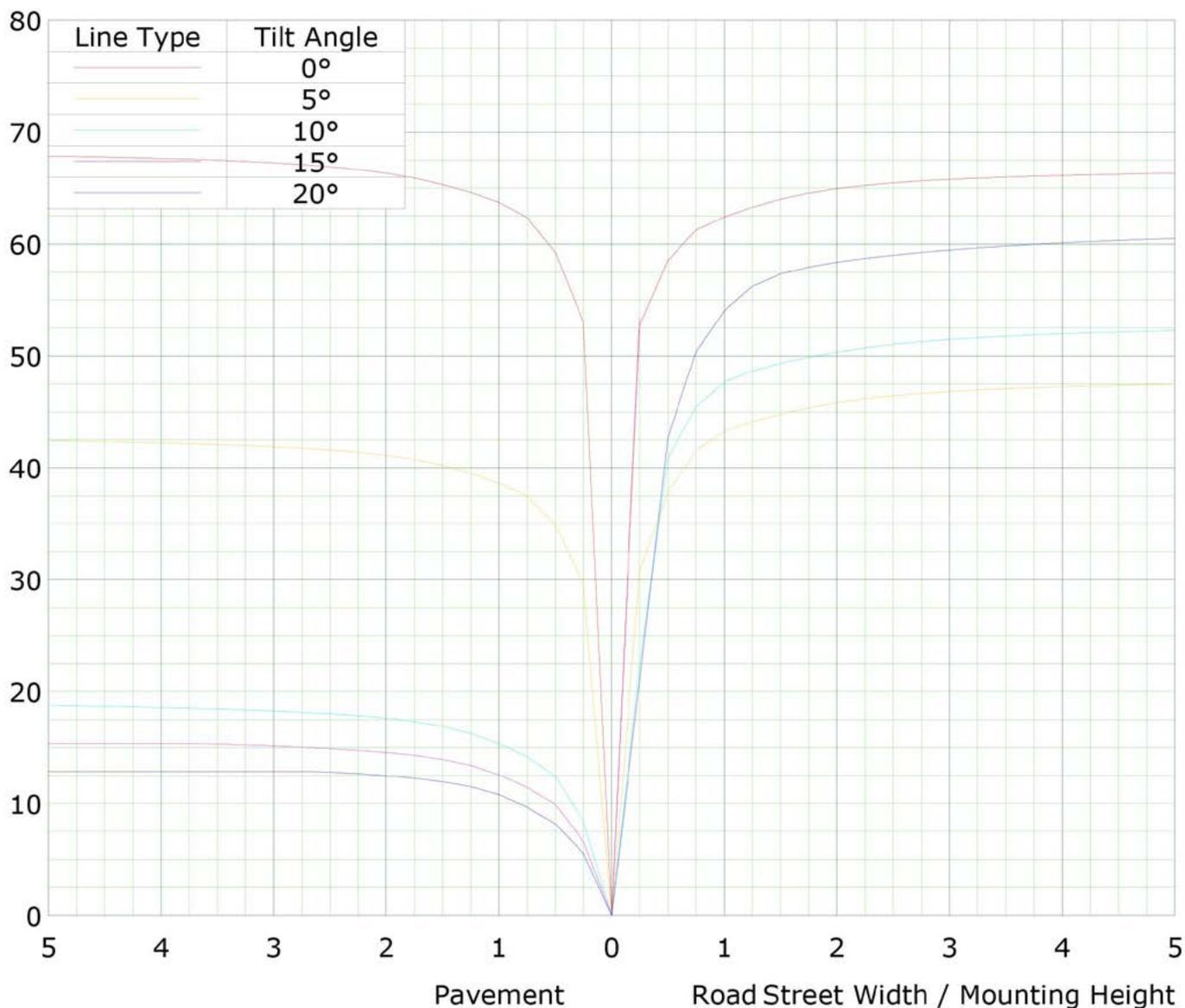


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ROADWAY CU CURVE

Efficiency(%)



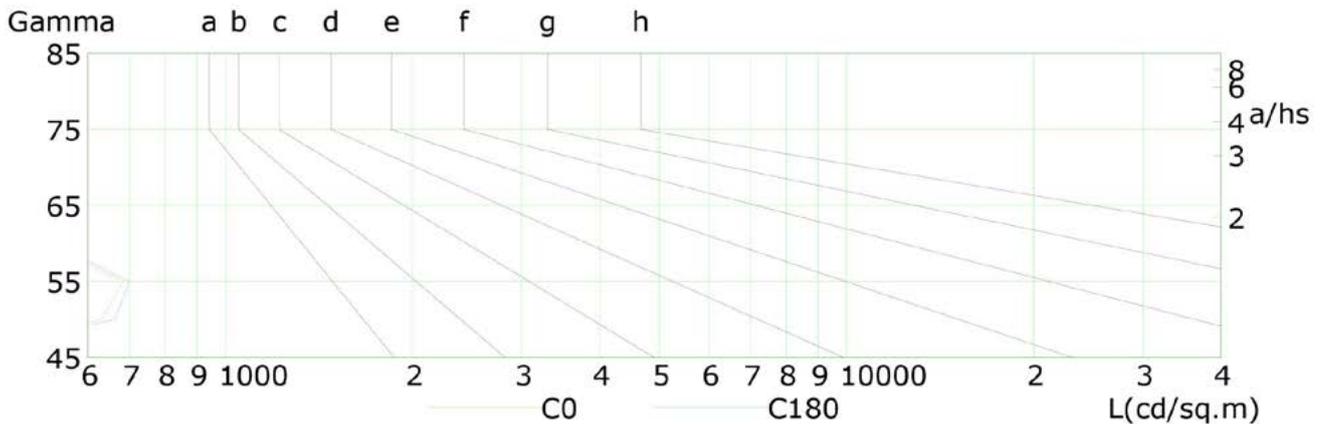
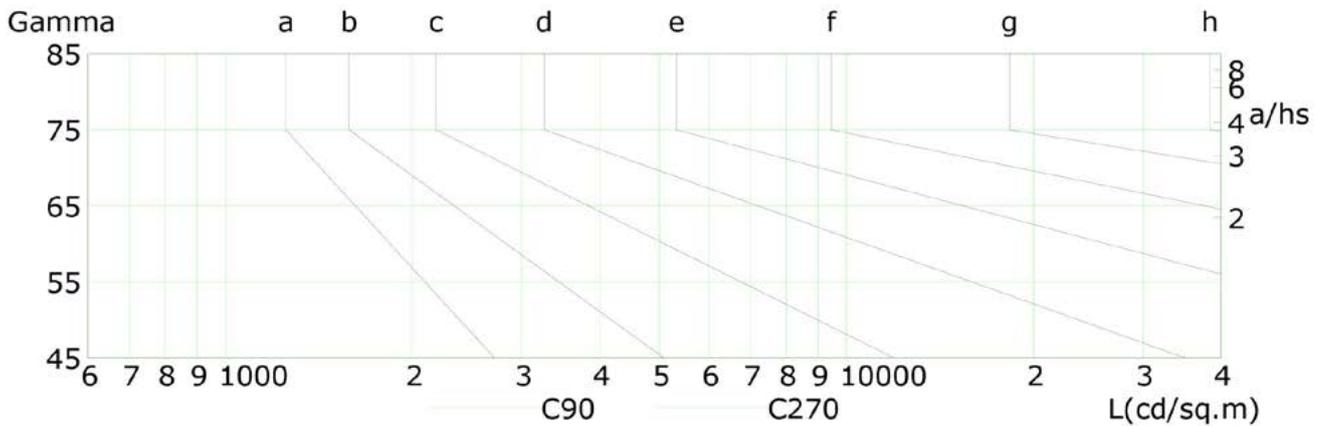
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LUM LIMIT CURVE

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B								
1.85	C								
2.20	D								
2.55	E								

a b c d e f g h



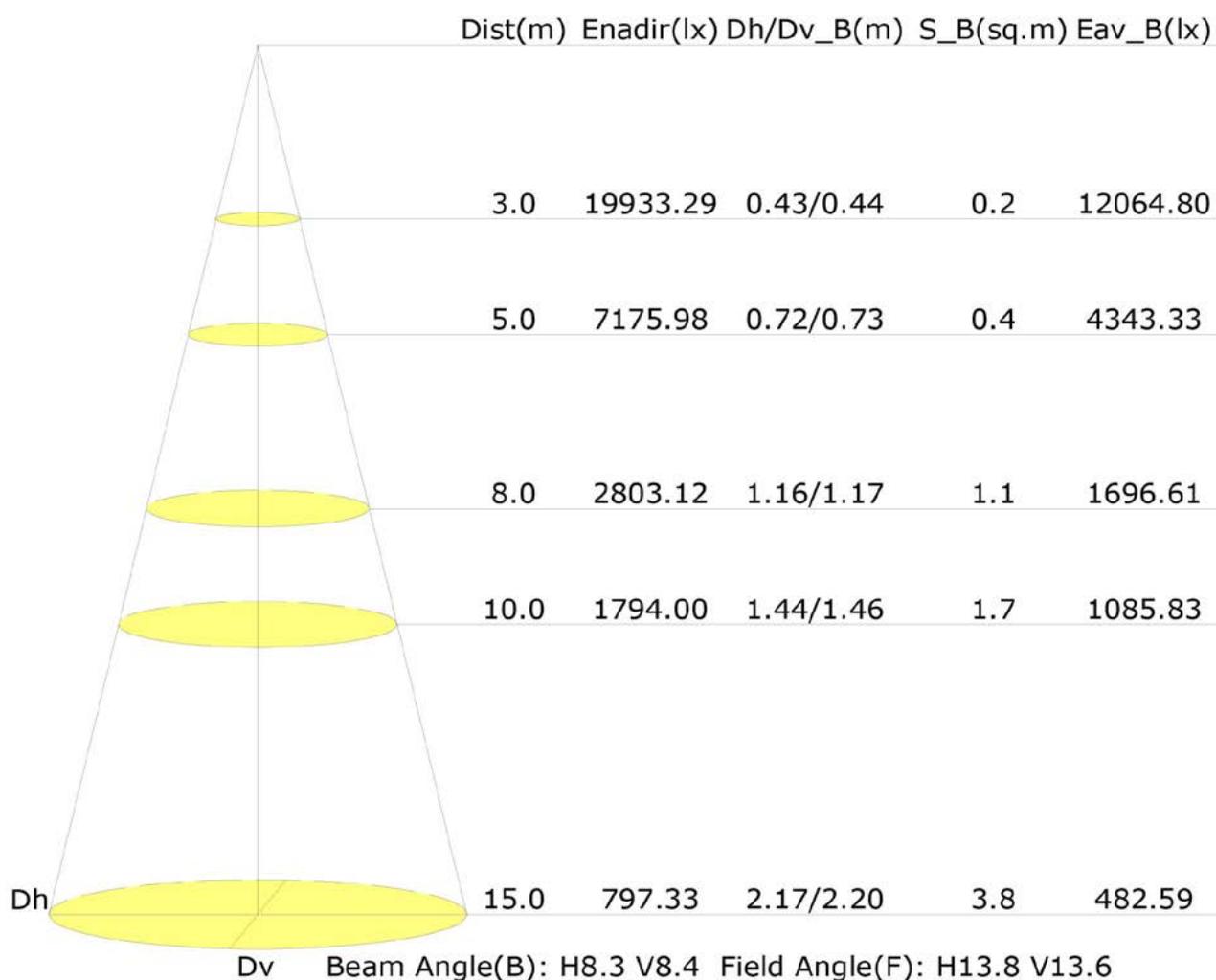
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	342	632	684	516	379	279	179	147	126
C90	337	442	384	305	258	216	163	147	142
C180	337	663	700	526	379	284	153	142	111
C270	358	316	426	363	295	253	200	174	163



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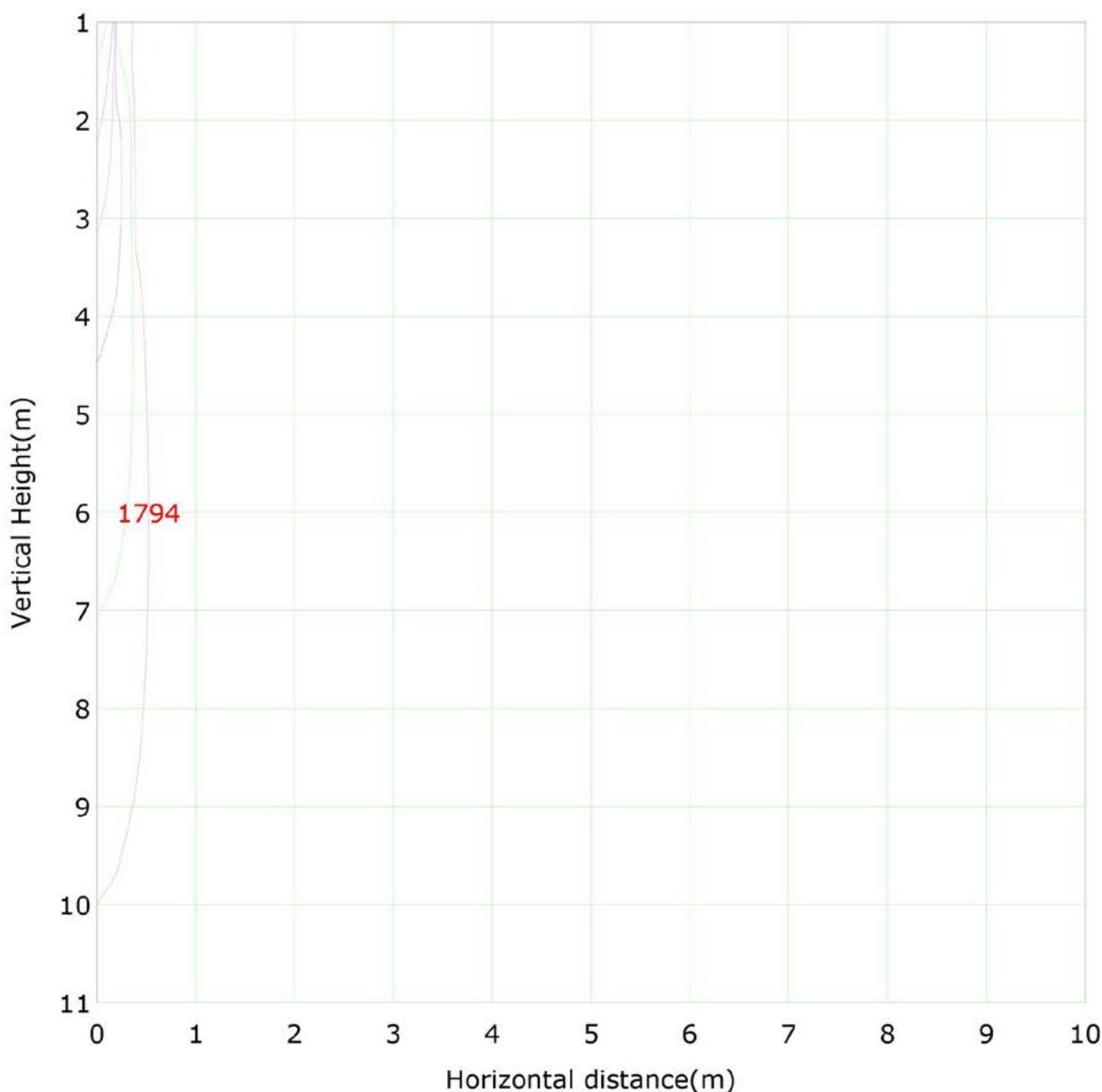
ILLUMINANCE AT A DISTANCE



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VERTICAL ISOLUX PLOT



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 179399.6 lx
— (1%):1794.0 lx	— (2%):3588.0 lx	
— (5%):8970.0 lx	— (10%):17940.0 lx	
— (20%):35879.9 lx	— (50%):89699.8 lx	
— (100%):179399.6 lx		



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AREA FLUX TABLE

Unit: lx

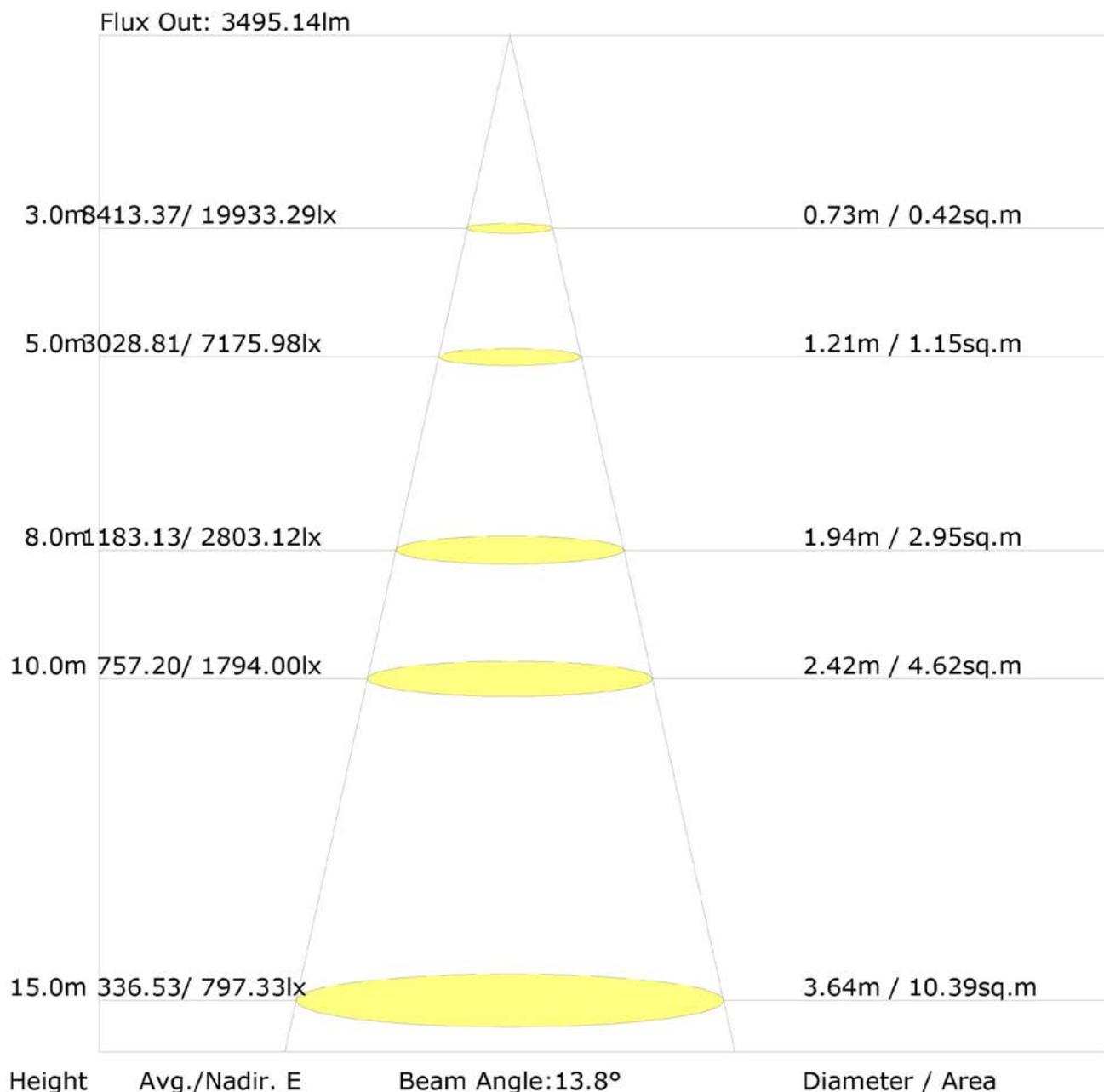
-90.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	5.5	0.0	
-80.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	21.7	0.0	
-70.0	1.7	1.8	2.0	2.1	2.4	3.3	4.1	4.7	5.1	4.9	4.2	3.5	2.9	2.5	2.3	2.1	2.0	1.8	53.5	0.0	
-60.0	2.3	2.6	3.1	3.7	5.5	7.9	8.9	9.7	11.1	10.8	8.5	6.5	5.0	4.0	3.6	3.1	2.7	2.6	101.7	0.0	
-50.0	2.9	3.5	4.4	5.5	7.3	7.8	7.3	8.4	8.9	8.8	8.1	6.7	6.1	5.9	5.6	4.3	3.4	3.2	108.2	0.0	
-40.0	3.6	4.5	6.1	6.4	6.6	7.5	9.6	16.3	22.4	21.5	13.8	8.6	7.2	6.3	7.3	5.8	4.1	3.6	161.1	0.0	
-30.0	4.3	5.5	8.0	9.3	8.2	10.6	27.9	40.6	44.3	43.6	39.0	21.7	9.2	7.8	9.7	7.2	4.6	3.9	305.5	0.0	
-20.0	4.7	6.1	9.4	10.9	9.8	21.6	44.1	55.0	69.6	66.4	52.1	41.6	14.7	9.1	11.2	8.1	5.0	4.2	443.6	0.0	
-10.0	4.9	6.4	9.4	11.8	10.8	31.6	49.8	74.2	121.6	97.4	65.2	46.9	23.6	10.4	11.4	8.1	5.2	4.3	2335.1	1715.0	
0.0	4.8	6.2	9.4	11.7	10.7	32.0	49.2	74.6	123.1	88.0	65.8	47.2	24.4	10.4	11.3	8.2	5.2	4.4	2415.6	1799.7	
10.0	4.3	5.7	9.4	10.6	9.5	23.2	43.9	54.5	69.2	66.7	52.1	42.4	16.9	9.3	10.8	8.2	5.2	4.4	446.4	0.0	
20.0	3.8	5.0	8.2	9.5	8.3	11.6	32.0	41.2	43.9	43.6	40.4	26.0	10.0	8.0	9.3	7.3	4.8	4.2	317.2	0.0	
30.0	3.3	4.3	6.7	7.3	6.9	8.0	10.8	20.0	25.4	24.5	17.1	9.4	7.4	6.7	6.7	5.9	4.3	3.8	178.4	0.0	
40.0	2.8	3.4	4.8	6.0	6.2	6.2	6.8	8.2	8.6	8.5	7.9	6.8	6.8	6.8	5.6	4.4	3.6	3.3	106.9	0.0	
50.0	2.4	2.7	3.2	3.8	4.6	5.7	6.6	8.4	10.5	10.6	8.9	7.8	6.9	4.8	3.4	3.0	2.7	2.5	98.5	0.0	
60.0	1.9	2.0	2.2	2.3	2.5	2.9	3.7	4.4	4.9	4.9	4.5	3.8	2.9	2.3	2.1	2.0	1.9	1.7	52.6	0.0	
70.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	22.5	0.0	
80.0	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	6.2	0.0	
90.0	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	6.2	0.0	
Flux(T)	50.5	62.5	89.3	103.8	102.6	183.2	308.2	423.6	776.1	870.9	91.1	1282.2	147.1	97.4	103.3	80.5	57.2	50.6	7180		
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2203.8	310.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3515	
	-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)



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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.\$

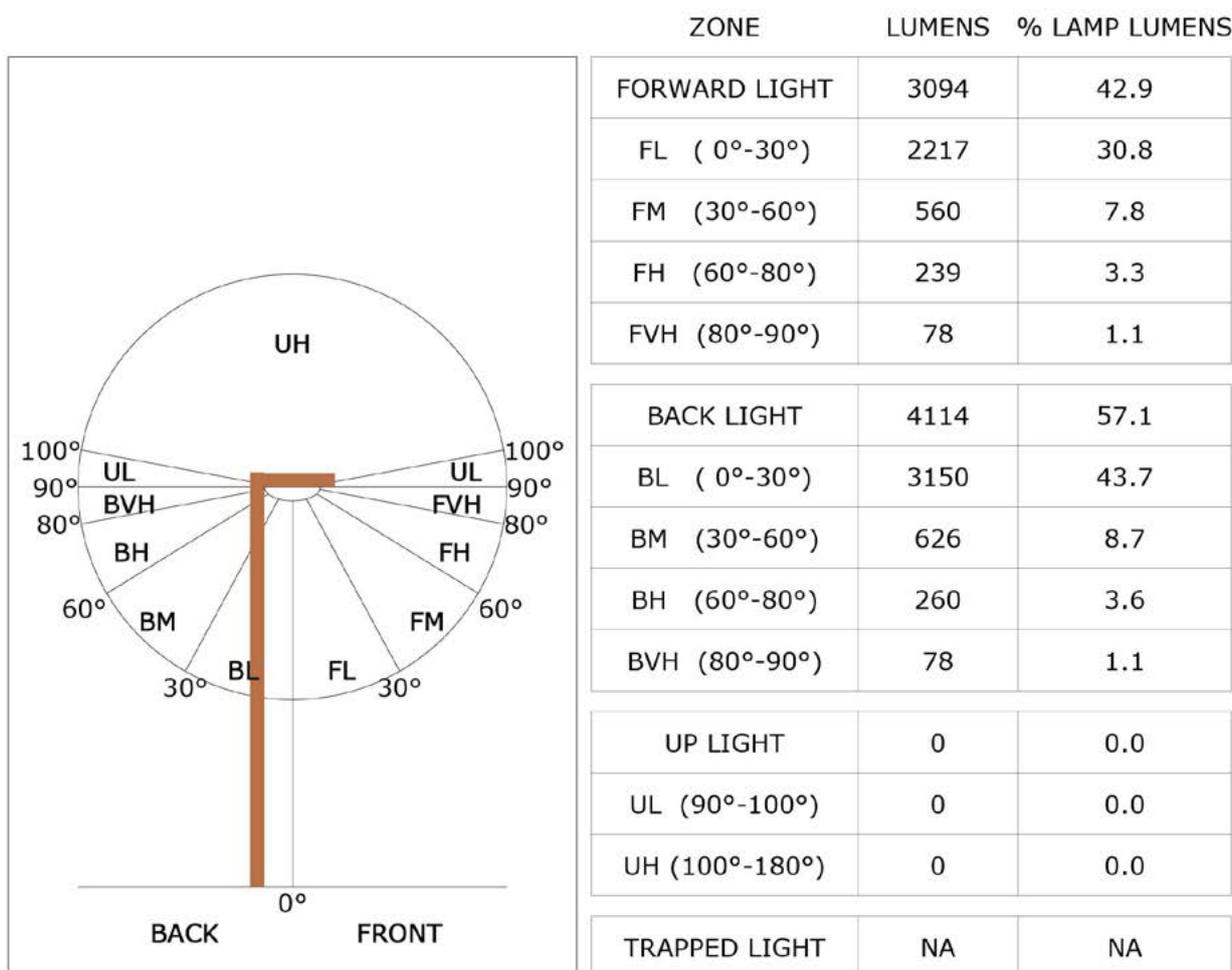
Calculate in accordance with CIE 190:2010



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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



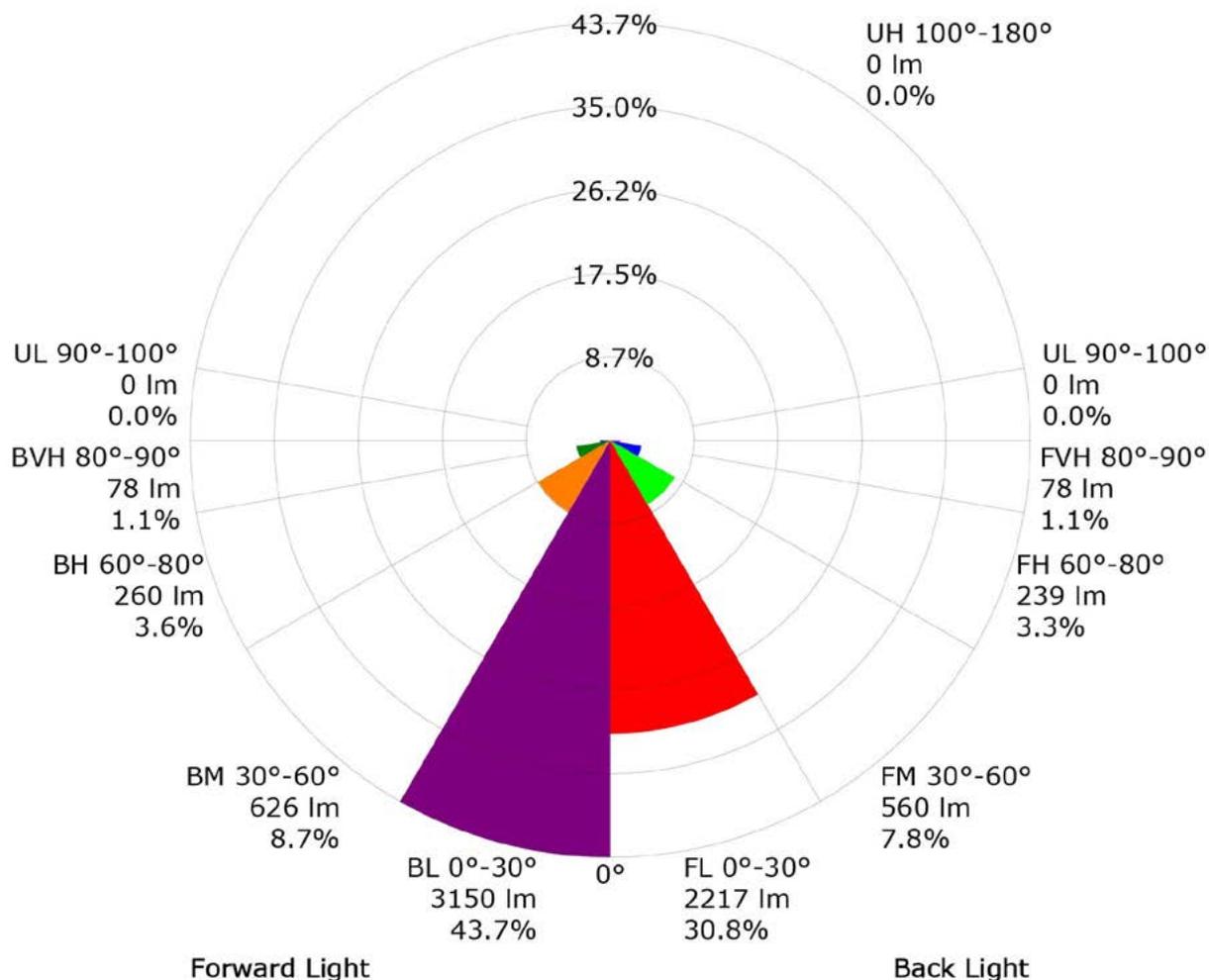
BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B4 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U2 G1



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LCS GRAPH



Forward Light

Back Light

Scale= MAX LCS%

Trapped Light:NA,NA



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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	1.10	1.15	1.19	1.22	1.26	1.29	1.31	1.34	1.36
	0.30		1.05	1.10	1.14	1.17	1.22	1.25	1.27	1.31	1.33
	0.20		1.01	1.06	1.10	1.14	1.18	1.22	1.24	1.28	1.31
0.50	0.50	0.20	1.09	1.13	1.17	1.19	1.23	1.25	1.27	1.29	1.31
	0.30		1.04	1.09	1.12	1.15	1.19	1.22	1.24	1.27	1.28
	0.20		1.01	1.06	1.09	1.12	1.16	1.19	1.21	1.25	1.27
0.30	0.50	0.20	1.07	1.11	1.14	1.16	1.19	1.21	1.23	1.25	1.26
	0.30		1.03	1.08	1.11	1.13	1.17	1.19	1.21	1.23	1.24
	0.20		1.01	1.05	1.08	1.10	1.14	1.17	1.19	1.21	1.23
0.00	0.00	0.00	0.99	1.02	1.05	1.07	1.10	1.12	1.14	1.16	1.17

Rating:112W 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	0.63	0.54	0.46	0.41	0.33	0.28	0.24	0.19	0.16	
	0.30		0.53	0.46	0.40	0.36	0.30	0.26	0.23	0.18	0.15	
	0.20		0.45	0.40	0.36	0.32	0.27	0.24	0.21	0.17	0.14	
0.50	0.50	0.20	0.60	0.50	0.43	0.38	0.31	0.31	0.23	0.18	0.15	
	0.30		0.51	0.44	0.38	0.34	0.28	0.24	0.21	0.17	0.14	
	0.20		0.44	0.39	0.34	0.31	0.26	0.22	0.20	0.16	0.14	
0.30	0.50	0.20	0.57	0.47	0.41	0.36	0.29	0.24	0.21	0.16	0.14	
	0.30		0.49	0.42	0.37	0.32	0.27	0.23	0.20	0.16	0.13	
	0.20		0.43	0.37	0.33	0.30	0.25	0.21	0.19	0.15	0.13	
0.00	0.00	0.00	0.26	0.22	0.19	0.17	0.14	0.12	0.10	0.08	0.07	

Rating:112W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980



LTL.WL544IP100

Éclairage architectural LED

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	0.15	0.17	0.19	0.20	0.22	0.23	0.24	0.25	0.26
	0.30		0.11	0.13	0.15	0.16	0.19	0.20	0.21	0.23	0.24
	0.20		0.08	0.10	0.12	0.14	0.16	0.18	0.19	0.21	0.22
0.50	0.50	0.20	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24	0.25
	0.30		0.11	0.13	0.15	0.16	0.18	0.20	0.21	0.22	0.23
	0.20		0.08	0.10	0.12	0.13	0.16	0.17	0.19	0.20	0.21
0.30	0.50	0.20	0.14	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24
	0.30		0.10	0.13	0.14	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.08	0.10	0.12	0.13	0.15	0.17	0.18	0.20	0.21
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:112W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980



LTL.WL544IP100

Éclairage architectural LED

ZONAL LUMEN

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	172846.1	165.4	165.4	2.29	2.29
1.0-2.0	161347.3	463.2	628.6	6.43	8.72
2.0-3.0	139810.1	668.8	1297.3	9.28	18.00
3.0-4.0	110167.1	737.5	2034.9	10.23	28.23
4.0-5.0	77004.8	662.5	2697.4	9.19	37.42
5.0-6.0	47311.5	497.3	3194.7	6.90	44.32
6.0-7.0	26054.8	323.4	3518.1	4.49	48.81
7.0-8.0	13803.7	197.6	3715.7	2.74	51.55
8.0-9.0	7912.8	128.3	3843.9	1.78	53.33
9.0-10.0	5260.9	95.2	3939.2	1.32	54.65
10.0-11.0	3959.4	79.1	4018.3	1.10	55.75
11.0-12.0	3243.5	70.9	4089.2	0.98	56.73
12.0-13.0	2803.9	66.6	4155.8	0.92	57.65
13.0-14.0	2512.1	64.3	4220.1	0.89	58.55
14.0-15.0	2312.4	63.5	4283.6	0.88	59.43
15.0-16.0	2173.7	63.7	4347.3	0.88	60.31
16.0-17.0	2086.0	65.0	4412.2	0.90	61.21
17.0-18.0	2046.6	67.5	4479.7	0.94	62.15
18.0-19.0	2025.8	70.5	4550.2	0.98	63.12
19.0-20.0	1983.5	72.6	4622.8	1.01	64.13
20.0-21.0	1899.6	73.0	4695.8	1.01	65.14
21.0-22.0	1792.6	72.0	4767.8	1.00	66.14
22.0-23.0	1700.0	71.3	4839.1	0.99	67.13
23.0-24.0	1634.7	71.5	4910.6	0.99	68.13
24.0-25.0	1589.6	72.3	4982.9	1.00	69.13
25.0-26.0	1556.4	73.5	5056.4	1.02	70.15
26.0-27.0	1531.9	75.0	5131.3	1.04	71.19
27.0-28.0	1512.6	76.6	5207.9	1.06	72.25
28.0-29.0	1496.5	78.3	5286.2	1.09	73.34
29.0-30.0	1481.2	80.0	5366.2	1.11	74.45
30.0-31.0	1460.3	81.3	5447.5	1.13	75.57
31.0-32.0	1422.9	81.5	5529.0	1.13	76.70
32.0-33.0	1351.4	79.6	5608.7	1.10	77.81
33.0-34.0	1230.1	74.5	5683.1	1.03	78.84
34.0-35.0	1067.1	66.3	5749.4	0.92	79.76
35.0-36.0	895.2	57.0	5806.4	0.79	80.55

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Éclairage architectural LED

ZONAL LUMEN - 1

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	731.6	47.7	5854.1	0.66	81.21
37.0-38.0	583.2	38.9	5893.1	0.54	81.75
38.0-39.0	471.5	32.2	5925.2	0.45	82.20
39.0-40.0	408.2	28.5	5953.7	0.39	82.60
40.0-41.0	381.2	27.1	5980.9	0.38	82.97
41.0-42.0	367.4	26.7	6007.6	0.37	83.34
42.0-43.0	357.0	26.4	6034.0	0.37	83.71
43.0-44.0	346.6	26.2	6060.2	0.36	84.07
44.0-45.0	335.8	25.8	6086.0	0.36	84.43
45.0-46.0	328.2	25.7	6111.7	0.36	84.79
46.0-47.0	325.3	25.9	6137.5	0.36	85.15
47.0-48.0	327.9	26.5	6164.0	0.37	85.51
48.0-49.0	335.1	27.5	6191.6	0.38	85.90
49.0-50.0	343.7	28.7	6220.2	0.40	86.29
50.0-51.0	350.9	29.7	6249.9	0.41	86.71
51.0-52.0	356.0	30.6	6280.5	0.42	87.13
52.0-53.0	357.3	31.1	6311.6	0.43	87.56
53.0-54.0	359.6	31.7	6343.3	0.44	88.00
54.0-55.0	366.7	32.7	6376.0	0.45	88.45
55.0-56.0	375.3	33.9	6409.9	0.47	88.92
56.0-57.0	381.4	34.9	6444.8	0.48	89.41
57.0-58.0	386.3	35.7	6480.5	0.50	89.90
58.0-59.0	386.6	36.2	6516.7	0.50	90.41
59.0-60.0	378.7	35.8	6552.5	0.50	90.90
60.0-61.0	366.6	35.0	6587.4	0.49	91.39
61.0-62.0	353.2	34.0	6621.5	0.47	91.86
62.0-63.0	339.6	33.0	6654.5	0.46	92.32
63.0-64.0	326.2	32.0	6686.5	0.44	92.76
64.0-65.0	312.9	31.0	6717.5	0.43	93.19
65.0-66.0	297.5	29.7	6747.2	0.41	93.60
66.0-67.0	282.3	28.4	6775.6	0.39	94.00
67.0-68.0	268.7	27.2	6802.8	0.38	94.38
68.0-69.0	254.7	26.0	6828.8	0.36	94.74
69.0-70.0	240.9	24.7	6853.5	0.34	95.08
70.0-71.0	229.2	23.7	6877.2	0.33	95.41
71.0-72.0	217.3	22.6	6899.8	0.31	95.72

LTL.WL544IP100

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
G0.0	179399.6	179262.7	177815.0	177241.1	174671.9	174319.2	172187.0	172187.0	179399.6	179262.7
G1.0	171170.9	168675.4	161899.8	160915.3	156098.1	158167.1	156487.7	162779.0	176388.2	178299.3
G2.0	154244.9	147937.8	138292.9	134376.0	127163.4	130427.5	131827.9	141009.5	159104.2	164421.6
G3.0	128616.4	120508.8	107304.9	102419.3	92974.5	96333.3	95196.1	110363.7	130222.1	137777.0
G4.0	95912.1	84008.7	69641.3	65656.0	57495.7	61386.3	60938.8	71989.4	92642.8	102629.9
G5.0	60033.3	51757.2	39364.1	35357.7	28482.0	30587.9	30687.9	40732.9	59011.9	66782.6
G6.0	33746.7	27339.5	20932.4	17373.5	14520.0	14588.5	15925.7	21358.8	31956.7	37463.5
G7.0	16573.3	14720.1	11129.6	9344.8	8186.6	8413.0	8602.5	11161.2	16420.6	18905.5
G8.0	9350.1	8439.3	6812.5	5991.2	5501.6	5538.5	5601.6	6507.2	8692.0	10160.8
G9.0	6012.3	5512.1	4743.5	4406.5	4111.7	4022.2	4106.5	4606.6	5685.9	6207.1
G10.0	4396.0	4117.0	3695.8	3485.2	3358.9	3316.8	3379.9	3701.1	4343.4	4517.1
G11.0	3469.4	3337.8	3079.8	2958.8	2874.5	2879.8	2906.1	3169.3	3537.9	3669.5
G12.0	2937.7	2864.0	2690.3	2621.8	2569.2	2558.6	2595.5	2769.2	3043.0	3143.0
G13.0	2600.8	2542.9	2427.0	2400.7	2353.3	2348.1	2379.6	2484.9	2695.5	2764.0
G14.0	2374.4	2342.8	2242.8	2242.8	2216.4	2200.6	2227.0	2295.4	2432.3	2490.2
G15.0	2216.4	2200.6	2126.9	2132.2	2116.4	2090.1	2121.7	2163.8	2248.0	2300.7
G16.0	2105.9	2095.4	2042.7	2053.2	2048.0	2021.6	2048.0	2074.3	2116.4	2163.8
G17.0	2037.4	2048.0	2016.4	2042.7	2058.5	2026.9	2053.2	2032.2	2037.4	2074.3
G18.0	2032.2	2048.0	2026.9	2063.8	2090.1	2063.8	2084.8	2053.2	2021.6	2042.7
G19.0	2021.6	2021.6	1990.1	1995.3	2000.6	1984.8	2011.1	2026.9	2032.2	2058.5
G20.0	1942.7	1932.1	1869.0	1874.2	1853.2	1837.4	1863.7	1916.3	1984.8	2032.2
G21.0	1821.6	1805.8	1753.1	1737.3	1732.1	1711.0	1732.1	1784.7	1869.0	1916.3
G22.0	1711.0	1705.8	1668.9	1663.6	1663.6	1642.6	1658.4	1684.7	1737.3	1784.7
G23.0	1637.3	1642.6	1616.3	1611.0	1616.3	1595.2	1616.3	1632.1	1658.4	1690.0
G24.0	1595.2	1595.2	1579.4	1568.9	1579.4	1553.1	1584.7	1584.7	1605.7	1637.3
G25.0	1558.3	1558.3	1547.8	1537.3	1547.8	1521.5	1553.1	1553.1	1568.9	1600.5
G26.0	1532.0	1532.0	1526.8	1511.0	1526.8	1495.2	1537.3	1532.0	1542.6	1563.6
G27.0	1516.2	1516.2	1516.2	1505.7	1511.0	1479.4	1516.2	1516.2	1521.5	1537.3
G28.0	1500.4	1500.4	1505.7	1489.9	1500.4	1468.8	1495.2	1500.4	1500.4	1521.5
G29.0	1484.6	1495.2	1495.2	1479.4	1484.6	1458.3	1474.1	1479.4	1484.6	1511.0
G30.0	1479.4	1484.6	1474.1	1458.3	1468.8	1432.0	1447.8	1453.1	1468.8	1495.2
G31.0	1458.3	1463.6	1447.8	1426.7	1442.5	1410.9	1410.9	1400.4	1421.5	1468.8
G32.0	1437.3	1426.7	1405.7	1389.9	1405.7	1384.6	1326.7	1258.3	1295.1	1353.0
G33.0	1353.0	1310.9	1253.0	1253.0	1305.6	1284.6	1137.2	1089.8	1205.6	1200.3
G34.0	1189.8	1137.2	1074.0	1058.2	1010.8	958.2	879.2	937.1	1095.1	1084.5
G35.0	1063.5	984.5	910.8	826.6	631.8	547.5	626.5	763.4	937.1	952.9
G36.0	916.1	831.8	752.8	600.2	447.5	415.9	452.8	584.4	800.2	789.7



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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
G37.0	768.6	700.2	594.9	452.8	415.9	389.6	394.9	442.2	663.3	658.1
G38.0	642.3	573.8	458.0	394.9	410.6	379.1	379.1	400.1	500.1	515.9
G39.0	505.4	442.2	394.9	379.1	400.1	363.3	368.5	379.1	437.0	415.9
G40.0	421.2	373.8	373.8	368.5	389.6	358.0	352.7	368.5	410.6	379.1
G41.0	400.1	363.3	358.0	358.0	379.1	342.2	342.2	358.0	389.6	373.8
G42.0	384.3	347.5	347.5	347.5	368.5	331.7	331.7	347.5	373.8	358.0
G43.0	368.5	342.2	342.2	336.9	358.0	326.4	321.1	342.2	363.3	352.7
G44.0	358.0	331.7	326.4	331.7	342.2	315.9	310.6	326.4	347.5	347.5
G45.0	342.2	321.1	315.9	326.4	336.9	315.9	305.4	321.1	336.9	342.2
G46.0	331.7	315.9	310.6	315.9	321.1	310.6	300.1	315.9	363.3	331.7
G47.0	368.5	310.6	300.1	310.6	310.6	305.4	289.6	310.6	452.8	326.4
G48.0	468.6	300.1	289.6	305.4	315.9	300.1	284.3	300.1	515.9	315.9
G49.0	552.8	300.1	284.3	294.8	384.3	294.8	279.0	294.8	600.2	310.6
G50.0	631.8	294.8	279.0	289.6	442.2	284.3	263.2	289.6	663.3	305.4
G51.0	700.2	289.6	268.5	284.3	442.2	279.0	252.7	284.3	752.8	305.4
G52.0	747.6	279.0	268.5	279.0	421.2	273.8	247.4	279.0	773.9	300.1
G53.0	731.8	284.3	263.2	279.0	410.6	273.8	247.4	279.0	758.1	331.7
G54.0	716.0	300.1	263.2	336.9	405.4	315.9	247.4	284.3	731.8	379.1
G55.0	684.4	342.2	258.0	389.6	384.3	426.4	236.9	305.4	700.2	431.7
G56.0	652.8	379.1	252.7	415.9	368.5	463.3	231.6	321.1	668.6	479.1
G57.0	616.0	410.6	236.9	415.9	352.7	447.5	221.1	326.4	631.8	515.9
G58.0	579.1	437.0	236.9	410.6	336.9	437.0	221.1	326.4	594.9	537.0
G59.0	547.5	458.0	231.6	405.4	321.1	421.2	247.4	321.1	558.1	542.3
G60.0	515.9	452.8	226.4	389.6	305.4	400.1	268.5	315.9	526.5	531.7
G61.0	484.4	437.0	226.4	368.5	300.1	373.8	279.0	305.4	494.9	494.9
G62.0	452.8	415.9	236.9	347.5	284.3	352.7	279.0	289.6	463.3	468.6
G63.0	421.2	394.9	263.2	326.4	273.8	331.7	279.0	252.7	431.7	437.0
G64.0	400.1	368.5	268.5	310.6	268.5	315.9	300.1	231.6	405.4	410.6
G65.0	379.1	326.4	279.0	294.8	258.0	294.8	300.1	221.1	379.1	384.3
G66.0	358.0	263.2	279.0	279.0	252.7	273.8	284.3	210.6	358.0	358.0
G67.0	342.2	215.9	263.2	268.5	242.2	263.2	268.5	210.6	336.9	326.4
G68.0	321.1	200.1	247.4	258.0	236.9	247.4	252.7	205.3	326.4	268.5
G69.0	300.1	189.5	236.9	247.4	226.4	242.2	236.9	200.1	305.4	205.3
G70.0	279.0	184.3	221.1	242.2	215.9	231.6	215.9	194.8	284.3	200.1
G71.0	258.0	179.0	215.9	231.6	205.3	215.9	205.3	200.1	258.0	194.8
G72.0	210.6	179.0	205.3	221.1	179.0	205.3	205.3	184.3	231.6	184.3
G73.0	173.7	173.7	210.6	189.5	173.7	179.0	200.1	184.3	179.0	184.3



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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			
G0.0	177815.0	177241.1	174671.9	174319.2	172187.0	172187.0	179399.6			
G1.0	181105.4	181726.6	180936.9	178383.5	174424.5	169449.3	171170.9			
G2.0	172266.0	174977.3	175077.3	171292.0	166295.8	157493.2	154244.9			
G3.0	152381.2	154081.7	159457.0	154555.5	149327.7	136197.6	128616.4			
G4.0	121319.5	128584.8	131364.6	127100.2	121882.9	105078.0	95912.1			
G5.0	84498.3	92011.0	98949.9	91705.7	86404.1	70157.3	60033.3			
G6.0	50398.9	54826.5	59427.8	53968.4	52720.6	40896.1	33746.7			
G7.0	26592.0	28171.4	30624.7	28676.8	27855.5	20932.4	16573.3			
G8.0	13119.6	13519.7	15215.0	14767.5	14957.0	11234.8	9350.1			
G9.0	7370.6	7760.1	8686.7	8555.1	8844.7	7170.5	6012.3			
G10.0	4943.5	5154.1	5764.8	5696.4	5728.0	4948.8	4396.0			
G11.0	3859.0	3880.1	4274.9	4238.1	4259.1	3759.0	3469.4			
G12.0	3211.5	3258.8	3411.5	3401.0	3411.5	3153.6	2937.7			
G13.0	2800.8	2837.7	2932.4	2874.5	2911.4	2732.4	2600.8			
G14.0	2500.7	2548.1	2600.8	2548.1	2563.9	2474.4	2374.4			
G15.0	2321.7	2337.5	2369.1	2332.3	2337.5	2279.6	2216.4			
G16.0	2179.6	2190.1	2211.2	2184.9	2179.6	2148.0	2105.9			
G17.0	2084.8	2084.8	2100.6	2063.8	2074.3	2053.2	2037.4			
G18.0	2032.2	2021.6	2021.6	1984.8	2005.8	2011.1	2032.2			
G19.0	2042.7	2032.2	2011.1	1984.8	1990.1	2016.4	2021.6			
G20.0	2042.7	2053.2	2048.0	2005.8	2005.8	1990.1	1942.7			
G21.0	1953.2	1979.5	1984.8	1932.1	1937.4	1884.8	1821.6			
G22.0	1816.3	1837.4	1858.4	1805.8	1826.8	1763.7	1711.0			
G23.0	1711.0	1726.8	1732.1	1695.2	1711.0	1679.4	1637.3			
G24.0	1642.6	1658.4	1663.6	1626.8	1642.6	1621.5	1595.2			
G25.0	1600.5	1611.0	1616.3	1579.4	1595.2	1579.4	1558.3			
G26.0	1563.6	1574.1	1579.4	1542.6	1568.9	1547.8	1532.0			
G27.0	1532.0	1547.8	1547.8	1516.2	1542.6	1521.5	1516.2			
G28.0	1516.2	1526.8	1521.5	1489.9	1521.5	1500.4	1500.4			
G29.0	1500.4	1511.0	1505.7	1474.1	1505.7	1484.6	1484.6			
G30.0	1484.6	1505.7	1495.2	1458.3	1489.9	1474.1	1479.4			
G31.0	1468.8	1489.9	1479.4	1442.5	1468.8	1458.3	1458.3			
G32.0	1442.5	1468.8	1468.8	1426.7	1447.8	1437.3	1437.3			
G33.0	1337.2	1447.8	1442.5	1410.9	1421.5	1416.2	1353.0			
G34.0	1174.0	1347.8	1416.2	1384.6	1389.9	1358.3	1189.8			
G35.0	1037.1	1158.2	1337.2	1347.8	1321.4	1205.6	1063.5			
G36.0	884.5	968.7	1137.2	1205.6	1168.8	1037.1	916.1			



LTL.WL544IP100

Éclairage architectural LED

CANDLEPOWER TABLE - 4

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	716.0	773.9	805.5	842.3	926.6	873.9	768.6			
G38.0	568.6	568.6	542.3	521.2	679.2	710.7	642.3			
G39.0	437.0	447.5	437.0	410.6	489.6	537.0	505.4			
G40.0	373.8	400.1	415.9	389.6	410.6	431.7	421.2			
G41.0	352.7	389.6	405.4	373.8	394.9	400.1	400.1			
G42.0	342.2	373.8	394.9	363.3	379.1	384.3	384.3			
G43.0	336.9	363.3	389.6	358.0	373.8	373.8	368.5			
G44.0	315.9	352.7	373.8	342.2	363.3	358.0	358.0			
G45.0	310.6	342.2	358.0	331.7	347.5	347.5	342.2			
G46.0	305.4	336.9	347.5	321.1	331.7	342.2	331.7			
G47.0	294.8	331.7	336.9	315.9	321.1	321.1	368.5			
G48.0	289.6	326.4	331.7	310.6	315.9	315.9	468.6			
G49.0	284.3	321.1	321.1	305.4	310.6	300.1	552.8			
G50.0	279.0	315.9	315.9	305.4	300.1	300.1	631.8			
G51.0	273.8	310.6	342.2	300.1	294.8	289.6	700.2			
G52.0	268.5	300.1	421.2	289.6	289.6	284.3	747.6			
G53.0	258.0	294.8	452.8	284.3	284.3	279.0	731.8			
G54.0	247.4	289.6	447.5	279.0	279.0	273.8	716.0			
G55.0	247.4	289.6	426.4	268.5	273.8	273.8	684.4			
G56.0	247.4	342.2	415.9	273.8	273.8	284.3	652.8			
G57.0	242.2	400.1	410.6	331.7	263.2	310.6	616.0			
G58.0	236.9	442.2	400.1	437.0	258.0	336.9	579.1			
G59.0	226.4	437.0	373.8	463.3	247.4	342.2	547.5			
G60.0	226.4	421.2	363.3	447.5	236.9	347.5	515.9			
G61.0	221.1	405.4	347.5	431.7	236.9	347.5	484.4			
G62.0	215.9	394.9	336.9	410.6	258.0	342.2	452.8			
G63.0	210.6	373.8	315.9	389.6	284.3	331.7	421.2			
G64.0	205.3	358.0	305.4	368.5	289.6	315.9	400.1			
G65.0	210.6	342.2	294.8	347.5	289.6	289.6	379.1			
G66.0	231.6	321.1	284.3	326.4	289.6	258.0	358.0			
G67.0	247.4	305.4	279.0	310.6	300.1	226.4	342.2			
G68.0	252.7	294.8	273.8	294.8	305.4	205.3	321.1			
G69.0	242.2	284.3	268.5	273.8	294.8	205.3	300.1			
G70.0	231.6	273.8	252.7	252.7	273.8	194.8	279.0			
G71.0	215.9	268.5	252.7	236.9	252.7	194.8	258.0			
G72.0	210.6	258.0	242.2	226.4	236.9	189.5	210.6			
G73.0	200.1	242.2	231.6	221.1	215.9	189.5	173.7			



LTL.WL544IP100

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

LTL.WL544IP100

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

LTL.WL544IP100

Éclairage architectural LED

ACCESSOIRES

CROCHETS CONTRE-PLAQUE ET COUPELLE D'APPUI



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



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



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



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