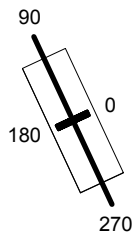


Luminaire		Measurem.		Lamp				
Code	UDE-20032-T4-W30	Code	LIGMAN	Code	ITLC017730			
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Name	Denver 1			
Line	lesna 2002 Absolute	Date	29-11-2017	Position				
Luminaire Flux		6720.61 lm	Luminaire Power	79.90 W	Efficacy	84.11 lm/W	Efficiency	100.00%
Lamps Flux		6720.61 lm	Maximum value	463.47 cd/klm	Position	C=50.00 G=65.00	CG	Asymmetrical
Rectangular Luminaire		Length	420 mm	Width	145 mm	Height	1 mm	
Rectangular Luminous Area		Length	420 mm	Width	145 mm	Height	0 mm	
Horizontal Luminous Area		0.060900 m2	Emitting area on Plane 180°		0.000000 m2			
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2			
Emitting area on Plane 90°		0.000000 m2	Glare area at 76°		0.014733 m2			
Coordinate system		CG	Symmetry Type		Asymmetrical			
Date		29-11-2017	Maximum Gamma Angle		90			
Measurement Distance		0.00	Measurement Flux		6720.61 lm			
Operator			Source voltage					
Temperature		25.00 °C	Source current					
Humidity		60.00 %	Photocell					
Notes								
Luminaire Lamps								
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty			
	ITLC017730	24 LED 3000K - 79.90 W	6720.61	79.90	1			
C.I.E.	37 74 97 100 100	D DIN 5040	A20					
F UTE	1.00 E	B NBN	BZ 6 / 0.8 / BZ 5					

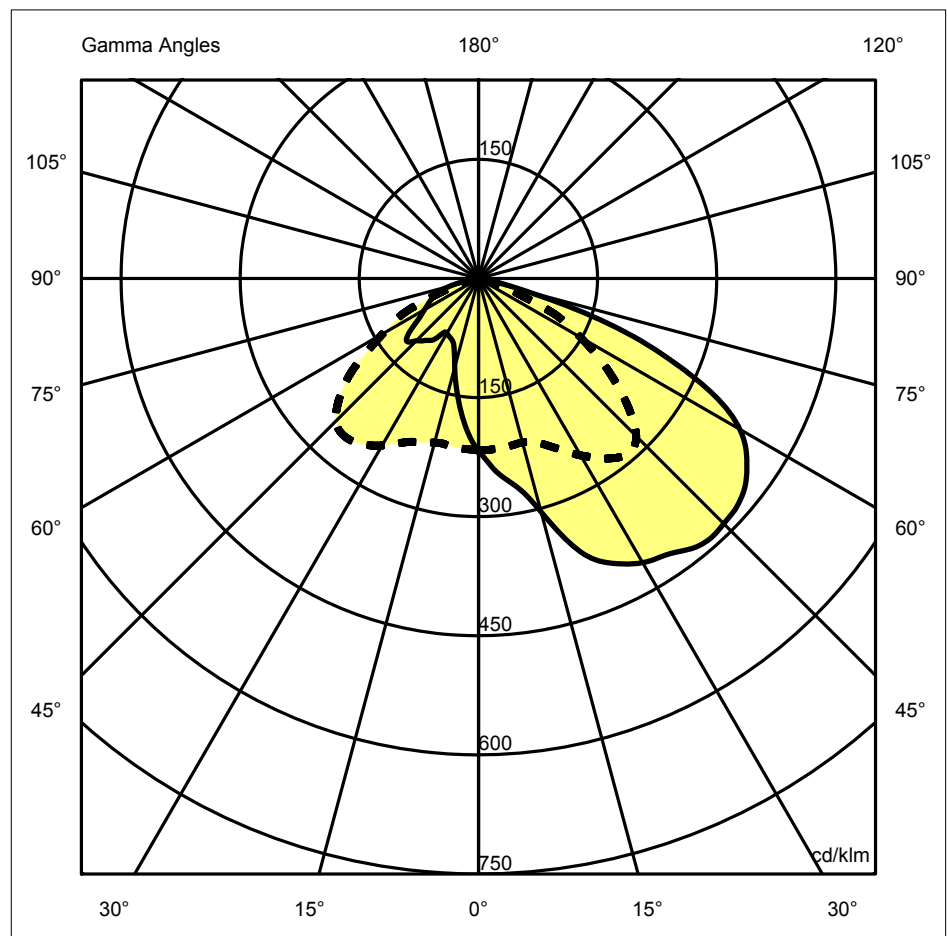
420mm x 145mm



C Halfplanes

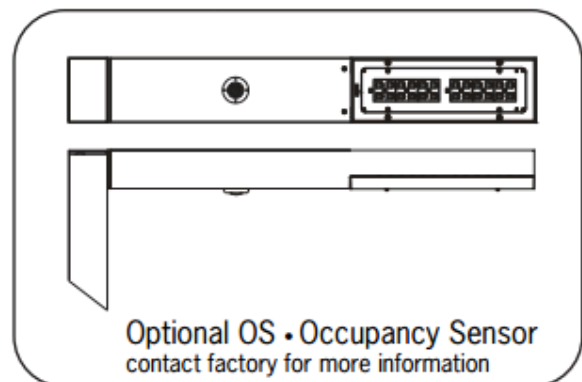
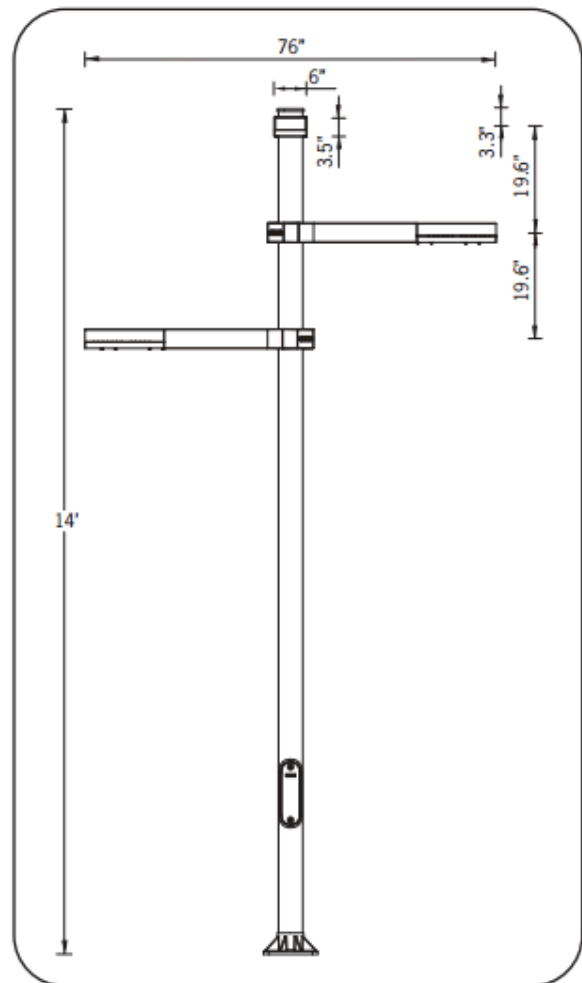
180.0 --- 0.0
270.0 --- 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T4-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Name	Denver 1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux	6720.61 lm	Luminaire Power	79.90 W	Efficacy	84.11 lm/W	Efficiency	100.00%
Lamps Flux	6720.61 lm	Maximum value	463.47 cd/klm	Position	C=50.00 G=65.00	CG	Asymmetrical



This report is one side of three sides

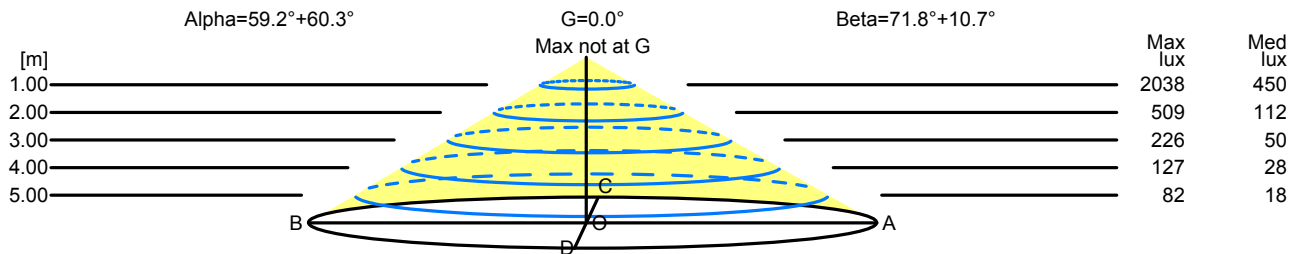
Luminaire		Measurem.		Lamp			
Code	UDE-20032-T4-W30	Code	LIGMAN	Code	ITLC017730		
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Number	1		
Line	lesna 2002 Absolute	Date	29-11-2017	Position			
Luminaire Flux	6720.61 lm	Luminaire Power	79.90 W	Efficacy	84.11 lm/W	Efficiency	100.00%
Lamps Flux	6720.61 lm	Maximum value	463.47 cd/klm	Position	C=50.00 G=65.00	CG	Asymmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.75	3.51	5.26	7.02	8.77	OC	3.05	6.10	9.15	12.19	15.24
OB	1.68	3.35	5.03	6.71	8.38	OD	0.19	0.38	0.57	0.76	0.95

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	1456.50	1451.00	1436.40	1589.40	1861.20	1888.60	1324.50	712.50	82.20	8.90
OB	1456.50	1447.60	1438.70	1534.60	1715.00	1705.80	1244.60	703.40	91.30	8.80
OC	1456.50	1632.10	2046.10	2658.20	2838.60	2934.50	2772.30	2053.00	440.70	39.60
OD	1456.50	1257.40	778.70	557.20	609.70	744.40	641.70	452.20	255.80	19.40

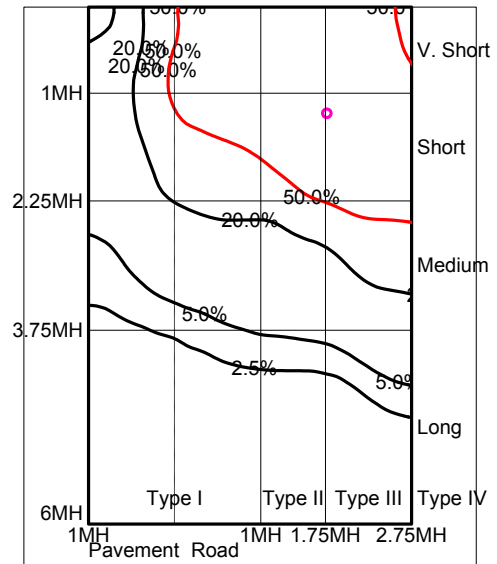
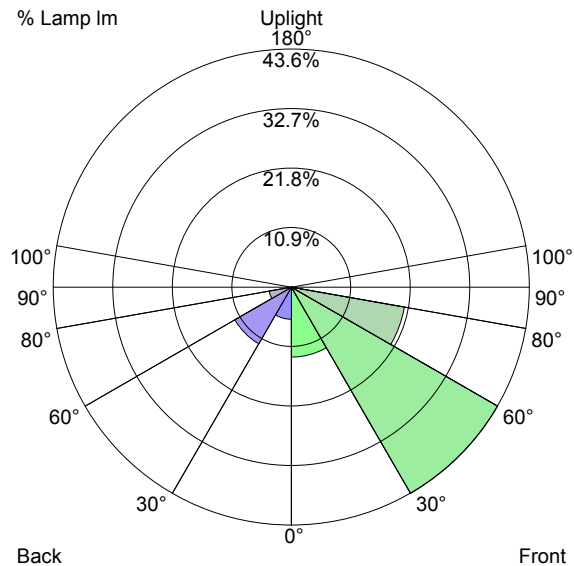


H[m]	D[m]	Max lux	Med lux	Alpha=59.2°+60.3°	G=0.0 Max not at G	
1.00	3.43	2038	450			
2.00	6.86	509	112			
3.00	10.29	226	50			
4.00	13.72	127	28			
5.00	17.16	82	18			

H[m]	D[m]	Max lux	Med lux	Beta=10.7°+71.8°	G=0.0 Max not at G	
1.00	3.24	2038	450			
2.00	6.48	509	112			
3.00	9.71	226	50			
4.00	12.95	127	28			
5.00	16.19	82	18			

Luminaire		Measurem.		Lamp	
Code	UDE-20032-T4-W30	Code	LIGMAN	Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire
Line	lesna 2002 Absolute	Date	29-11-2017	Position	1
Luminaire Flux	6720.61 lm	Luminaire Power	79.90 W	Efficacy	84.11 lm/W
Lamps Flux	6720.61 lm	Maximum value	463.47 cd/klm	Position	C=50.00 G=65.00
				Efficiency	100.00%
				CG	Asymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone	Lumens	%Lamp	%Lum
FL	0° -- 30°	860.9 lm	12.8 %
FM	30° -- 60°	2931.7 lm	43.6 %
FH	60° -- 80°	1412.7 lm	21.0 %
FVH	80° -- 90°	27.5 lm	0.4 %
BL	0° -- 30°	395.4 lm	5.9 %
BM	30° -- 60°	804.7 lm	12.0 %
BH	60° -- 80°	277.9 lm	4.1 %
BVH	80° -- 90°	9.9 lm	0.1 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS	6720.6 lm	100.0 %	100.0 %
BUG B1 U0 G1 Type IV Short Asymmetrical			

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T4-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Name	Number 1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux	6720.61 lm	Luminaire Power	79.90 W	Efficacy	84.11 lm/W	Efficiency	100.00%
Lamps Flux	6720.61 lm	Maximum value	463.47 cd/klm	Position	C=50.00 G=65.00	CG	Asymmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=4.00m

