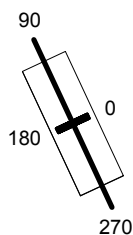


Luminaire		Measurem.		Lamp				
Code	UDE-20032-ME-W30	Code	LIGMAN	Code	ITLC017730			
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Name	1			
Line	lesna 2002 Absolute	Date	29-11-2017	Position				
Luminaire Flux		6402.63 lm	Luminaire Power	79.90 W	Efficacy	80.13 lm/W	Efficiency	100.00%
Lamps Flux		6402.63 lm	Maximum value	566.03 cd/klm	Position	C=152.50 G=67.50	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		6402.63 lm			
Operator			Source voltage					
Temperature		25.00 °C	Source current					
Humidity		60.00 %	Photocell					
Notes								
Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty	
		ITLC017730	Name 24 LED 3000K - 79.90 W		6402.63	79.90	1	
C.I.E.		41 78 98 100 100	D DIN 5040		A30			
F UTE		1.00 E	B NBN		BZ 5 / 3 / BZ 4			

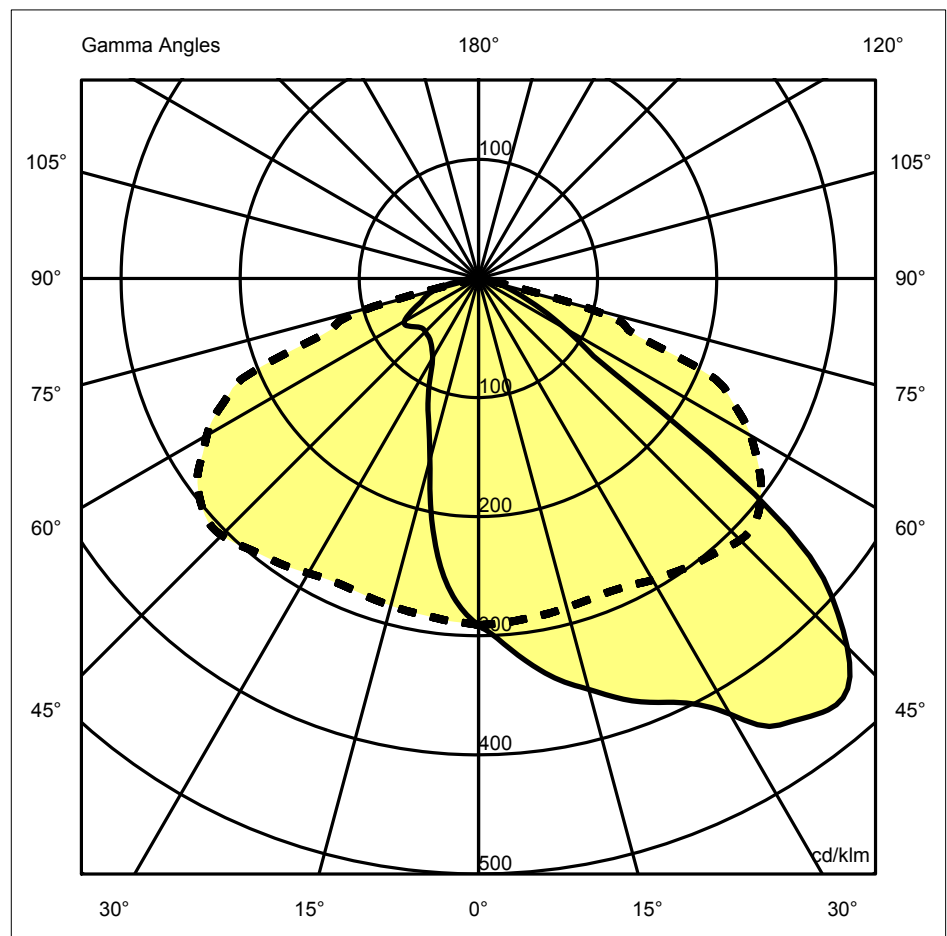
420mm x 145mm



C Halfplanes

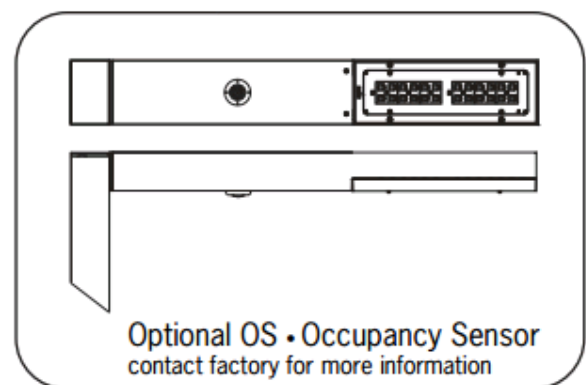
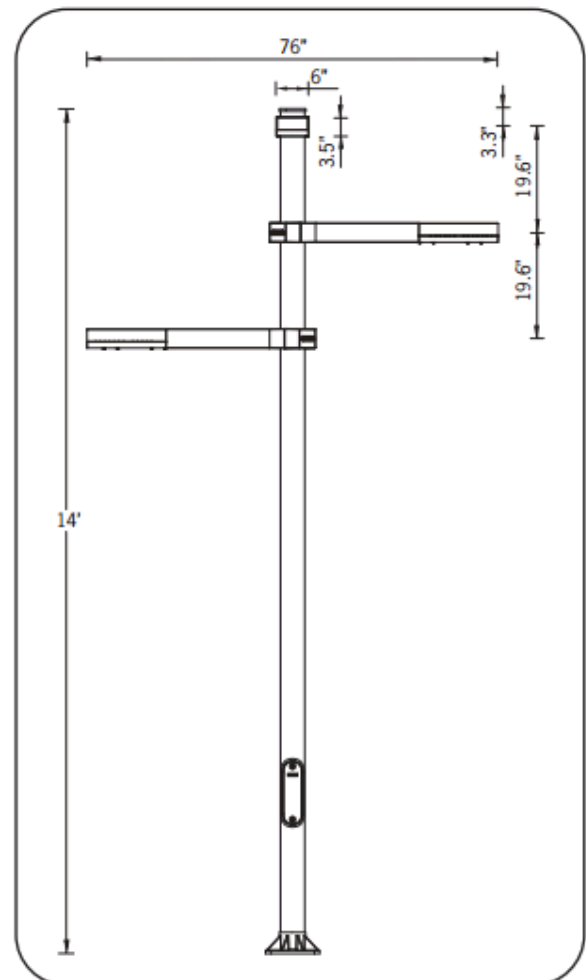
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-ME-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	6402.63 lm	Luminaire Power	79.90 W	Efficacy	80.13 lm/W	Efficiency	100.00%
Lamps Flux	6402.63 lm	Maximum value	566.03 cd/klm	Position	C=152.50 G=67.50	CG	Asymmetrical



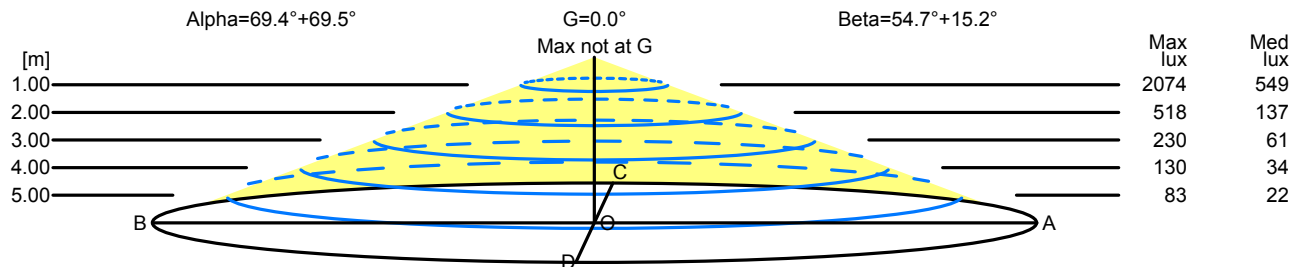
This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-ME-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		6402.63 lm	Luminaire Power		79.90 W	Efficacy	80.13 lm/W
						Efficiency	100.00%
Lamps Flux		6402.63 lm	Maximum value	566.03 cd/klm	Position	C=152.50 G=67.50	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	2.67	5.34	8.02	10.69	13.36	OC	1.41	2.82	4.23	5.64	7.06
OB	2.67	5.33	8.00	10.67	13.33	OD	0.27	0.54	0.82	1.09	1.36

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1863.00	1854.30	1831.50	1833.70	1909.10	1989.10	1849.70	1482.00	588.10	17.30
OB	1863.00	1847.50	1820.00	1804.00	1868.00	1952.50	1842.90	1482.00	584.10	18.60
OC	1863.00	2002.80	2285.90	2514.30	2911.60	2802.00	902.10	340.30	117.20	16.10
OD	1863.00	1694.40	1009.40	625.70	440.70	404.20	449.90	383.60	250.30	41.10

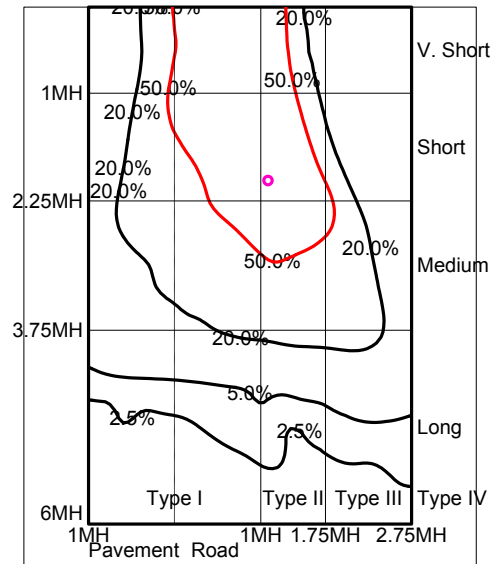
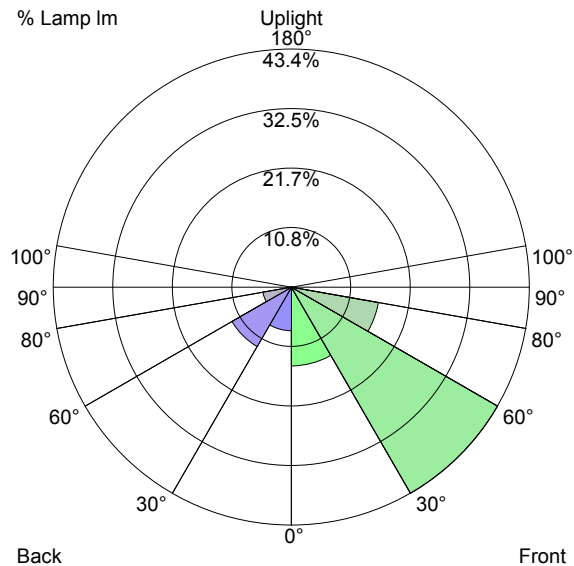


H[m]	D[m]	Max lux	Med lux	Alpha=69.4°+69.5°	G=0.0 Max not at G	
1.00	5.34	2074	549			
2.00	10.68	518	137			
3.00	16.02	230	61			
4.00	21.36	130	34			
5.00	26.70	83	22			

H[m]	D[m]	Max lux	Med lux	Beta=15.2°+54.7°	G=0.0 Max not at G	
1.00	1.68	2074	549			
2.00	3.37	518	137			
3.00	5.05	230	61			
4.00	6.73	130	34			
5.00	8.42	83	22			

Luminaire			Measurem.			Lamp	
Code	UDE-20032-ME-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		6402.63 lm	Luminaire Power		79.90 W	Efficacy	80.13 lm/W
						Efficiency	100.00%
Lamps Flux		6402.63 lm	Maximum value	566.03 cd/klm	Position	C=152.50 G=67.50	CG Asymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	918.8 lm	14.3 %	14.3 %
FM	30° -- 60°	2778.3 lm	43.4 %	43.4 %
FH	60° -- 80°	1030.4 lm	16.1 %	16.1 %
FVH	80° -- 90°	15.1 lm	0.2 %	0.2 %
BL	0° -- 30°	508.9 lm	7.9 %	7.9 %
BM	30° -- 60°	800.1 lm	12.5 %	12.5 %
BH	60° -- 80°	338.5 lm	5.3 %	5.3 %
BVH	80° -- 90°	12.5 lm	0.2 %	0.2 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		6402.6 lm	100.0 %	100.0 %
BUG B2 U0 G1 Type III Short Asymmetrical				

Luminaire			Measurem.			Lamp	
Code	UDE-20032-ME-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	6402.63 lm	Luminaire Power	79.90 W	Efficacy	80.13 lm/W	Efficiency	100.00%
Lamps Flux	6402.63 lm	Maximum value	566.03 cd/klm	Position	C=152.50 G=67.50	CG	Asymmetrical

Isolux (Floor)

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

