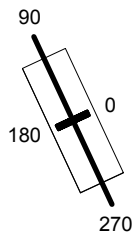


Luminaire		Measurem.		Lamp			
Code	UDE-20032-T3-W30	Code	LIGMAN	Code	ITLC017730		
Name	Denver 4 three side with step Street and area luminaire	Name	Denver 4 three side with step Street and area luminaire	Name	1		
Line	lesna 2002 Absolute	Date	29-11-2017	Position			
Luminaire Flux	6521.60 lm	Luminaire Power	79.80 W	Efficacy	81.72 lm/W	Efficiency	100.00%
Lamps Flux	6521.60 lm	Maximum value	503.54 cd/klm	Position	C=147.50 G=57.50	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		6521.60 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 - 79.80 W	6521.60	79.80	1		
C.I.E.	38 76 98 100 100	D DIN 5040	A20				
F UTE	1.00 E	B NBN	BZ 6 / 0.8 / BZ 5				

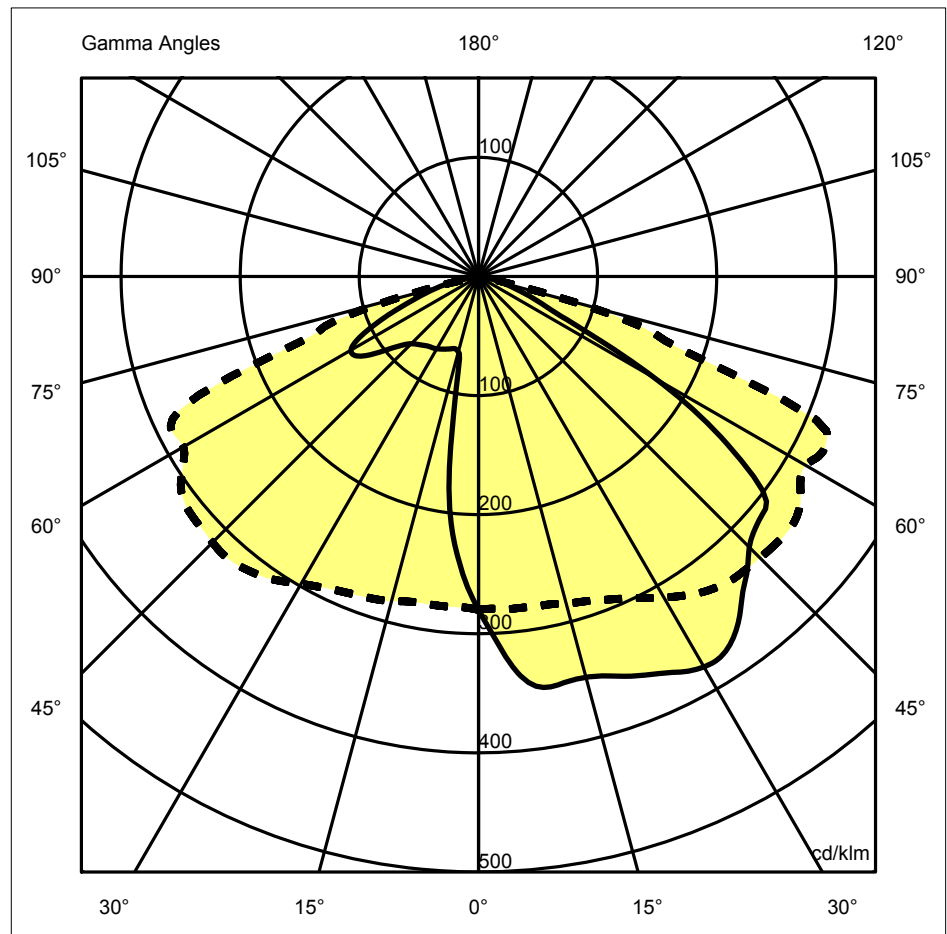
420mm x 145mm



C Halfplanes

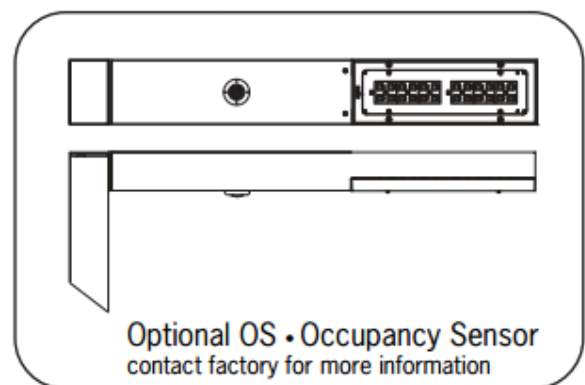
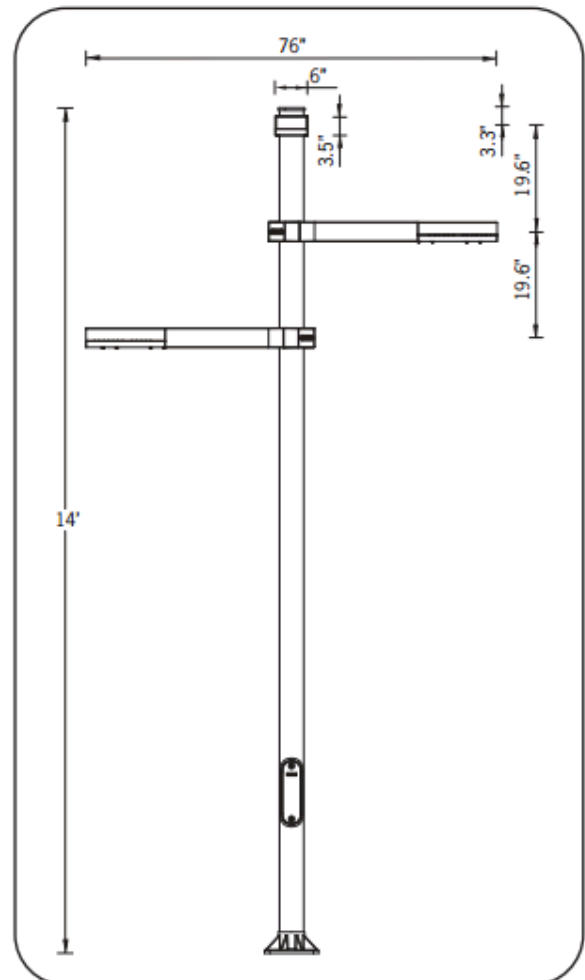
180.0 --- 0.0
270.0 --- 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



This report is one side of three sides

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T3-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	6521.60 lm	Luminaire Power	79.80 W	Efficacy	81.72 lm/W	Efficiency	100.00%
Lamps Flux	6521.60 lm	Maximum value	503.54 cd/klm	Position	C=147.50 G=57.50	CG	Asymmetrical

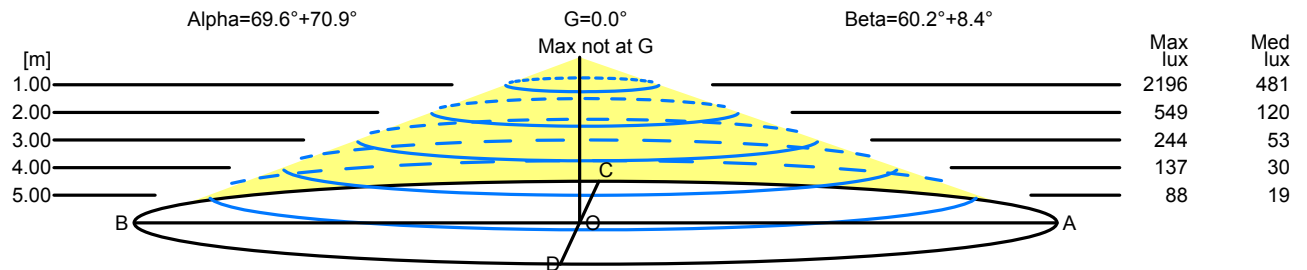


Luminaire			Measurem.			Lamp	
Code	UDE-20032-T3-W30		Code	LIGMAN		Code	ITLC017730
Name	Denver 4 three side with step Street and area luminaire		Name	Denver 4 three side with step Street and area luminaire		Number	1
Line	lesna 2002 Absolute		Date	29-11-2017		Position	
Luminaire Flux		6521.60 lm	Luminaire Power		79.80 W	Efficacy	81.72 lm/W
						Efficiency	100.00%
Lamps Flux		6521.60 lm	Maximum value		503.54 cd/klm	Position	C=147.50 G=57.50
						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	2.88	5.77	8.65	11.53	14.42	OC	1.74	3.49	5.23	6.98	8.72
OB	2.69	5.38	8.06	10.75	13.44	OD	0.15	0.29	0.44	0.59	0.74

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1825.10	1829.20	1854.30	1943.40	2114.70	2180.90	2151.20	2105.50	576.20	20.90
OB	1825.10	1815.50	1840.60	1890.90	2016.40	2059.80	1989.10	1847.50	488.50	17.30
OC	1825.10	2144.30	2272.20	2395.50	2425.20	2096.40	1756.10	459.00	138.20	18.60
OD	1825.10	1475.20	427.00	438.50	468.20	520.60	755.90	632.50	232.90	24.30

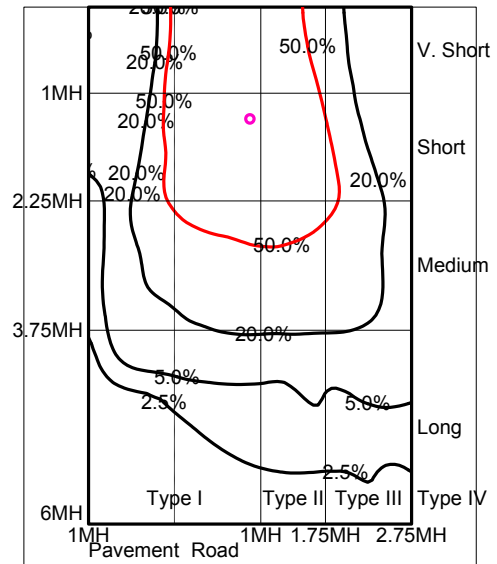
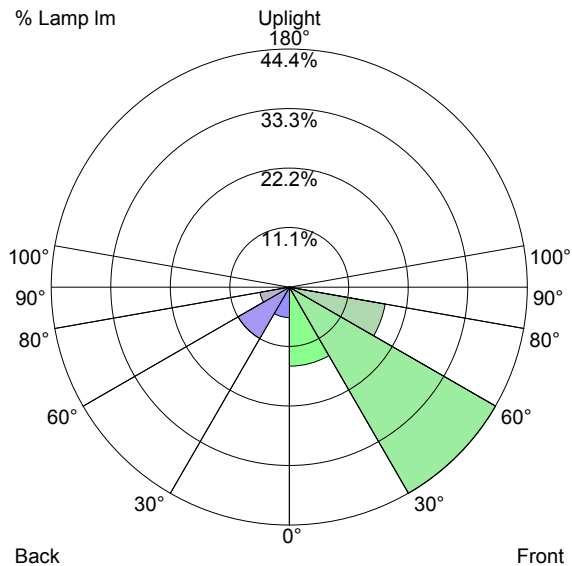


H[m]	D[m]	Max lux	Med lux	Alpha=69.6°+70.9°	G=0.0 Max not at G	
1.00	5.57	2196	481			
2.00	11.14	549	120			
3.00	16.71	244	53			
4.00	22.29	137	30			
5.00	27.86	88	19			

H[m]	D[m]	Max lux	Med lux	Beta=8.4°+60.2°	G=0.0 Max not at G	
1.00	1.89	2196	481			
2.00	3.78	549	120			
3.00	5.67	244	53			
4.00	7.56	137	30			
5.00	9.46	88	19			

Luminaire		Measurem.		Lamp	
Code	UDE-20032-T3-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	6521.60 lm	Luminaire Power	79.80 W	Efficacy	81.72 lm/W
Lamps Flux	6521.60 lm	Maximum value	503.54 cd/klm	Position	C=147.50 G=57.50
				Efficiency	100.00%
				CG	Asymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	961.5 lm	14.7 %
FM	30° -- 60°	2896.1 lm	44.4 %
FH	60° -- 80°	1182.9 lm	18.1 %
FVH	80° -- 90°	16.9 lm	0.3 %
BL	0° -- 30°	370.4 lm	5.7 %
BM	30° -- 60°	720.7 lm	11.1 %
BH	60° -- 80°	363.7 lm	5.6 %
BVH	80° -- 90°	9.4 lm	0.1 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		6521.6 lm	100.0 %
BUG B1 U0 G1 Type III Short Asymmetrical			

Luminaire			Measurem.			Lamp	
Code	UDE-20032-T3-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	6521.60 lm	Luminaire Power	79.80 W	Efficacy	81.72 lm/W	Efficiency	100.00%
Lamps Flux	6521.60 lm	Maximum value	503.54 cd/klm	Position	C=147.50 G=57.50	CG	Asymmetrical

Isolux (Floor)

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

