

The US Standards for road lighting are covered under by RP-08-00 which is valid for lighting designs developed for Abu Dhabi areas.

The Classification of street lighting fixtures analogue to the EU ones above is covered by the TM-15-07(-11) Standard as shown in the following Tables and explanations:

As shown in the addendum A to IESNA TM-15-07(-11); backlight, up-light, and glare (BUG) Ratings should be shown in data sheets or on products as follows in Tables 19, 20, 21, 22. In no sufficient info is provided, the manufacturer to provide accurate info about back-light, up-light and glare.

The following back-light, up-light, and glare ratings may be used to evaluate luminaire optical performance related to light trespass, sky glow, and high angle brightness control. These ratings are based on zonal lumen calculations for secondary solid angles defined in TM-15-07(-11) standard. The zonal lumen thresholds listed in the following three Tables are based on data from photometric testing procedures approved by the Illuminating Engineering Society (IES) for outdoor luminaires.

		Backlight Rating					
		Secondary Solid Angle	B0	B1	B2	B3	B4
Backlight/ Trespass	BH	110	500	1000	2500	5000	>5000
	BM	220	1000	2500	5000	8500	>8500
	BL	110	500	1000	2500	5000	>5000

Table 19 (A-1)  
Back-light ratings (maximum zonal lumens).

		Uplight Rating				
		Secondary Solid Angle	U0	U1	U2	U3
Uplight/ Skyglow	UH	0	10	100	500	1000
	UL	0	10	100	500	1000
	FVH	10	75	150	>150	
	BVH	10	75	150	>150	

Table 20 (A-2)  
Up-light ratings (maximum zonal lumens).