

HOLOPHANE® BREEAM Calculator

[ILP Guidance notes on Obtrusive light](#)

BREEAM information can be found at;

<http://www.breeam.org/page.jsp?id=301>

Job Name and Number :

P155-1618 Saltbox

Fitting	Quantity	Lumens Luminaire	LOR	Circuit Watts	Luminaire Lumens	LLM/TcW	Automatic Controls?	BREEAM ACHIEVED?	Lumens Exiting fittings	Upward fitting Lumens	
Green = Insert Correct Information											
DSX2.2.LA304.FW	41	30188	100%	282	30188	107	YES	YES	1237708	0	
DSX1.2.084.FW	28	8450	100%	68	8450	124	YES	YES	236600	0	
DEW.LA014.NR	35	1150	97%	12	1118.95	93	YES	YES	39163.25	1207.5	
DSX1.2.LA064.AY	32	6653	100%	75	6653	89	YES	YES	212896	0	
DSX1.2.LA054.AY	88	4870	100%	36	4870	135	YES	YES	428560	0	
Total Circuit Watts of installation				19454		Total LLM/Tcw		110.8	Average Initial luminous efficacy above 60LLM/TcW		
"Automatic controls" based on Site controls or remote photocell?								YES			
Total Lumens out of fittings:			2154927.25		Total upward Lumens (out of fittings):					1207.5	
Installation ULR :								0.06%			
Installation ULR = (Total upward Lumens / Total Lumens out of fittings)											

Permissible ULR % (for each environmental Zone): E0 and E1 -- 0% E2 up to 2.5% E3 up to 5% E4 up to 15%

The above ULR means that scheme complies to environmental zone(s):

E2 & E3 & E4

Note: this Environmental Zone level is based solely on the ULR.

HEL453(A)