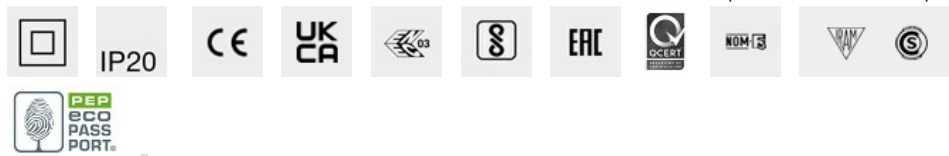
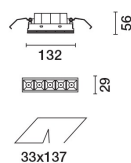
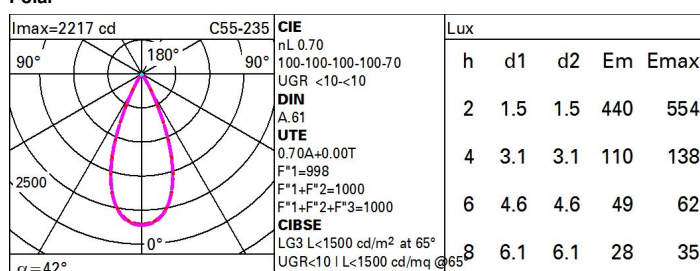


QY47-04: Minimal 5 cells - Flood - Tunable White LED - Black



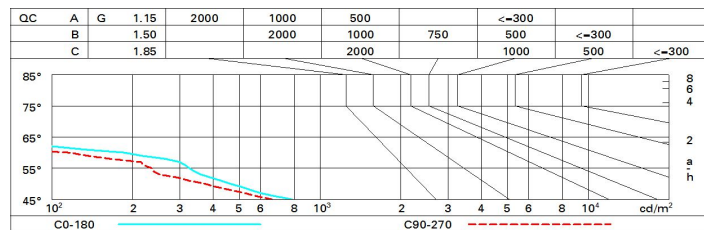
Im system:	1015	MacAdam Step:	3
W system:	13.2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	1450	Lamp code:	LED
W source:	9.4	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	76.9	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	70	Inrush current:	29 A / 153 µs
Beam angle [°]:	42°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 32 luminaires B16A: 51 luminaires C10A: 53 luminaires C16A: 86 luminaires
CRI (minimum):	80	Minimum dimming %:	1
CRI (typical):	82	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	Tunable white 2700 - 6500	Control:	DALI-2



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	60	58	56	59	57	57	55	78
1.0	66	63	61	59	62	60	60	58	83
1.5	69	67	65	64	66	65	64	62	89
2.0	71	70	69	67	69	68	67	65	93
2.5	73	71	71	70	71	70	69	67	96
3.0	74	73	72	71	72	71	70	68	98
4.0	74	74	73	73	73	72	71	70	99
5.0	75	74	74	74	73	73	72	70	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1450 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	6.0	6.5	6.3	6.7	6.9	6.2	6.7	6.5	6.9	7.1
	3H	5.9	6.3	6.2	6.5	6.8	6.1	6.5	6.4	6.8	7.0
	4H	5.8	6.2	6.1	6.5	6.8	6.0	6.4	6.3	6.7	7.0
	6H	5.7	6.1	6.1	6.4	6.7	5.9	6.3	6.3	6.6	6.9
	8H	5.7	6.0	6.0	6.4	6.7	5.9	6.2	6.2	6.6	6.9
	12H	5.6	6.0	6.0	6.3	6.7	5.8	6.2	6.2	6.5	6.9
4H	2H	5.8	6.2	6.1	6.5	6.8	6.0	6.4	6.3	6.7	7.0
	3H	5.6	6.0	6.0	6.3	6.7	5.8	6.2	6.2	6.5	6.9
	4H	5.5	5.8	5.9	6.2	6.6	5.7	6.0	6.1	6.4	6.8
	6H	5.5	5.7	5.9	6.1	6.5	5.7	5.9	6.1	6.3	6.7
	8H	5.4	5.7	5.8	6.1	6.5	5.6	5.9	6.0	6.3	6.7
	12H	5.4	5.6	5.8	6.0	6.5	5.6	5.8	6.0	6.2	6.7
8H	4H	5.4	5.7	5.8	6.1	6.5	5.6	5.9	6.0	6.3	6.7
	6H	5.3	5.5	5.8	6.0	6.4	5.5	5.7	6.0	6.2	6.6
	8H	5.3	5.4	5.7	5.9	6.4	5.5	5.6	5.9	6.1	6.6
	12H	5.2	5.4	5.7	5.8	6.4	5.4	5.6	5.9	6.0	6.6
12H	4H	5.4	5.6	5.8	6.0	6.5	5.6	5.8	6.0	6.2	6.7
	6H	5.3	5.4	5.7	5.9	6.4	5.5	5.6	5.9	6.1	6.6
	8H	5.2	5.4	5.7	5.8	6.4	5.4	5.6	5.9	6.0	6.6
Variations with the observer position at spacing:											
S =		1.0H	6.7 / -17.0				6.6 / -18.7				
		1.5H	9.5 / -23.9				9.5 / -27.2				
		2.0H	11.5 / -33.7				11.5 / -32.9				