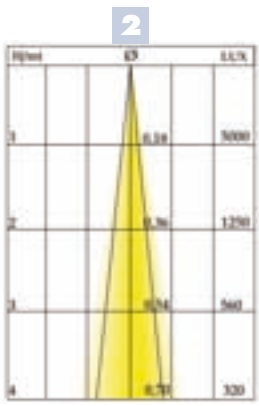
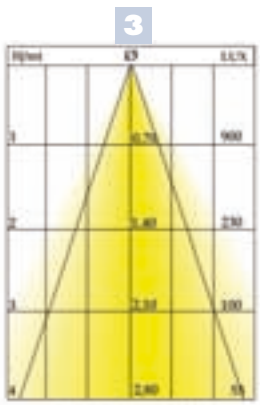


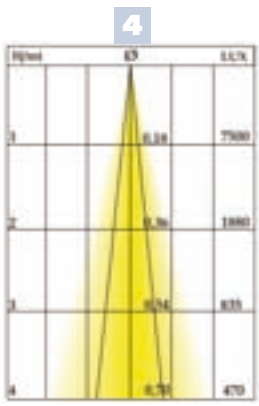
QR-CB 35 20W 12v 38°



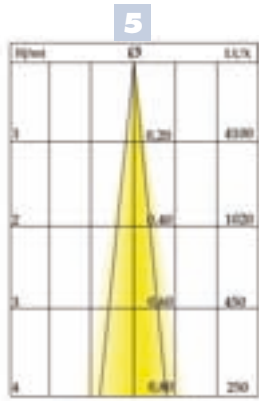
QR-CB 35 20W 12v 10°



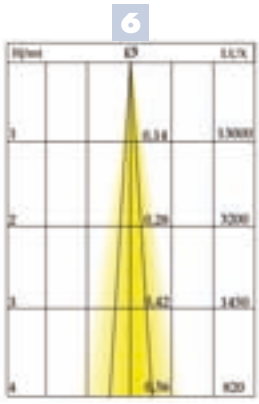
QR-CB 35 35W 12v 38°



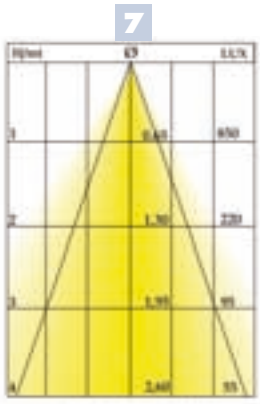
QR-CB 35 20W 12v 10°



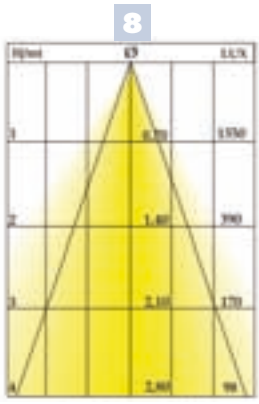
QR-CB 51 20W 12v 12°



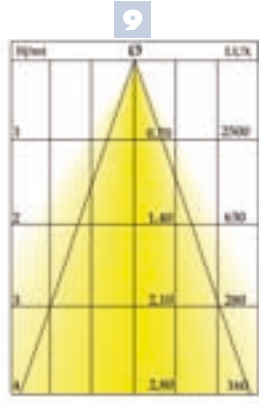
QR-CB 51 35W 12v 8°



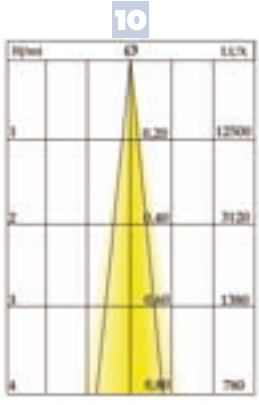
QR-CB 51 20W 12v 36°



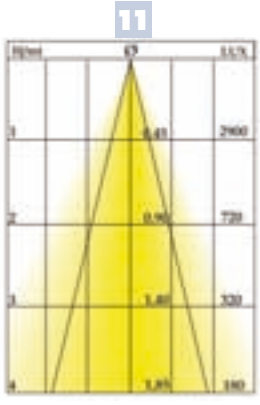
QR-CB 51 35W 12v 38°



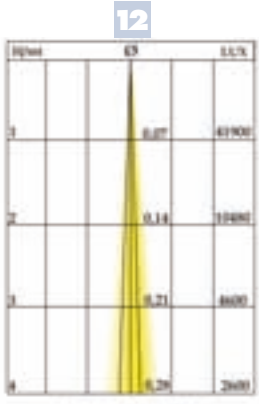
QR-CB 51 50W 12v 38°



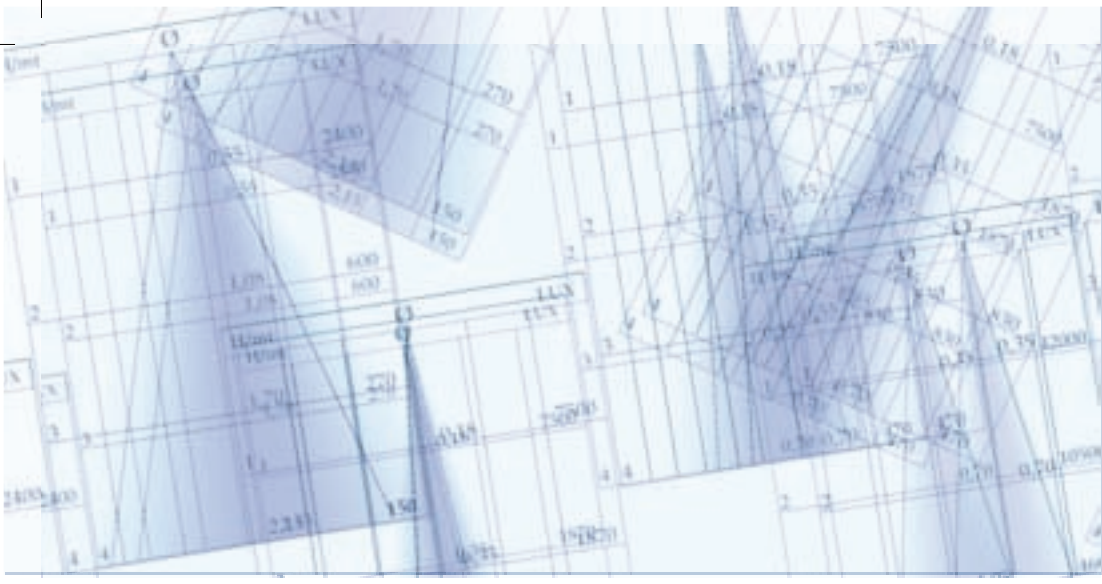
QR-CB 51 50W 12v 12°



QR-CB 51 50W 12v 24°

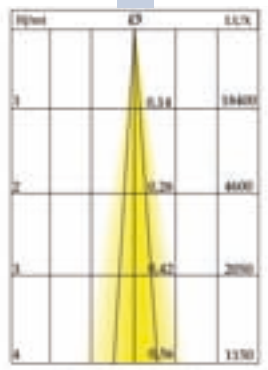


AR-111 50W 12v 4°



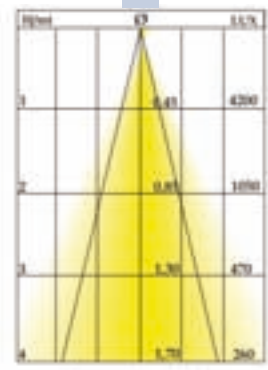
LEGENDA CURVE FOTOMETRICHE

13



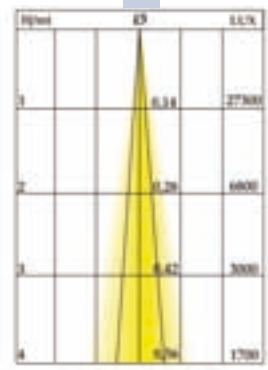
AR-111 50W 12v 8°

14



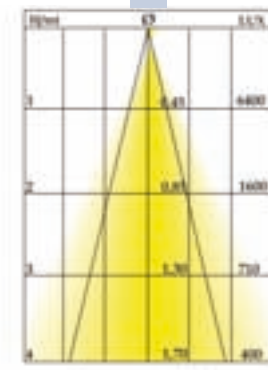
AR-111 50W 12v 24°

15



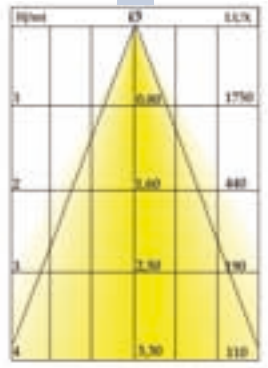
AR-111 75W 12v 8°

16



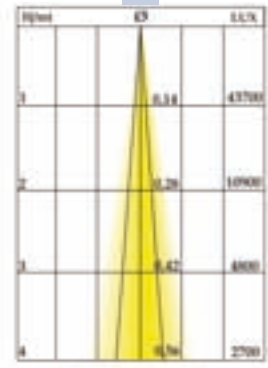
AR-111 75W 12v 24°

17



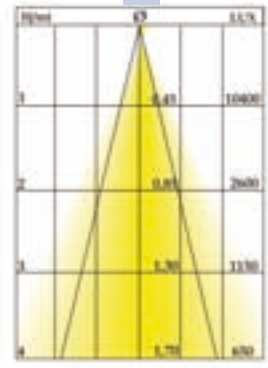
AR-111 75W 12v 45°

18



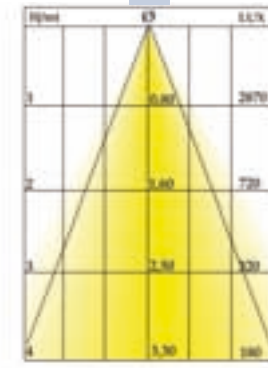
AR-111 100W 12v 8°

19



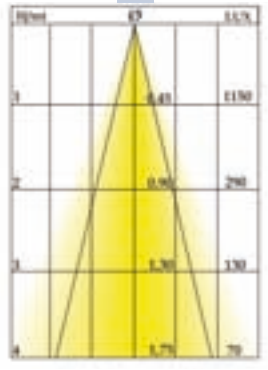
AR-111 100W 12v 24°

20



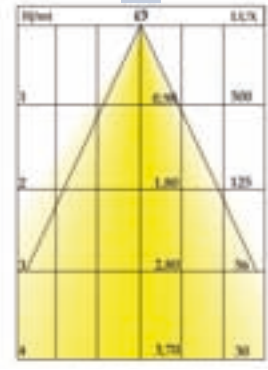
AR-111 100W 12v 45°

21



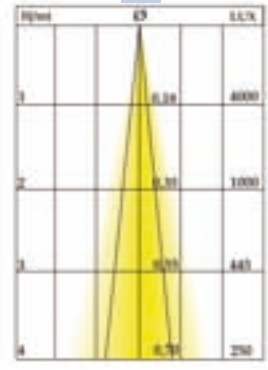
QR-CB 51 50W 220v 25°

22



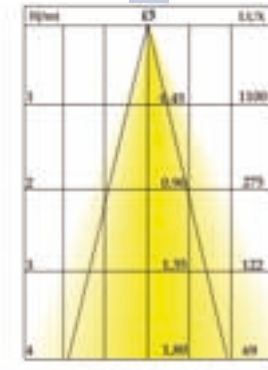
QR-CB 51 50W 220v 50°

23

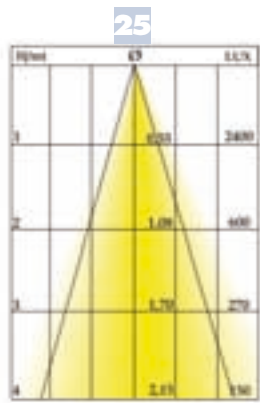
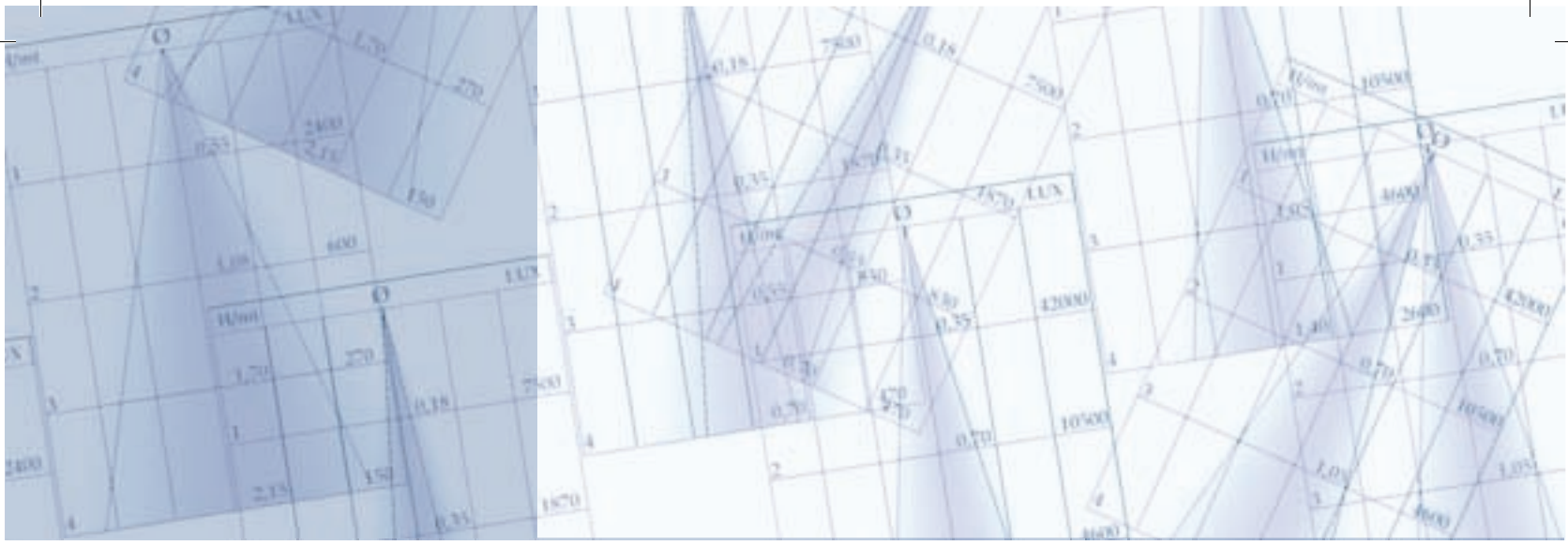


PAR 20 50W 220v 10°

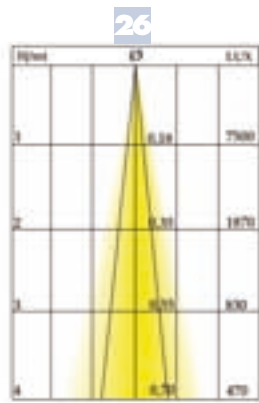
24



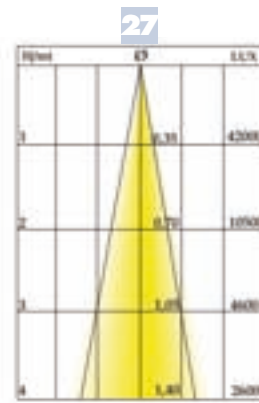
PAR 20 50W 220v 30°



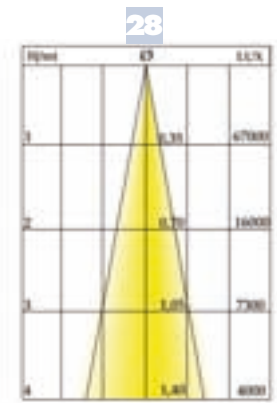
PAR 30 75W 220v 30°



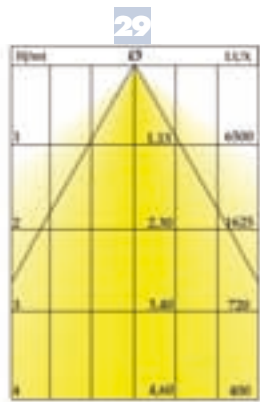
PAR 30 75W 220v 10°



PAR 30-Hqi 35W 10°



PAR 30-Hqi 70W 10°



PAR 30 Hqi 35W 220v 30°



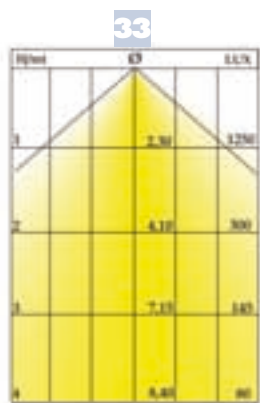
PAR 30 Hqi 70W 220v 40°



DULUX D-D/E-T/E 2x26W



DULUX-T/E 2x32W



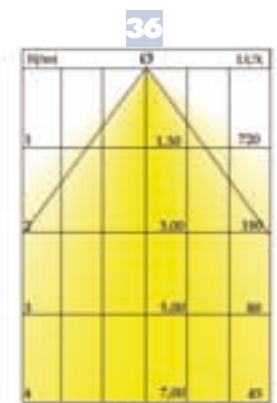
DULUX-T/E 2x42W



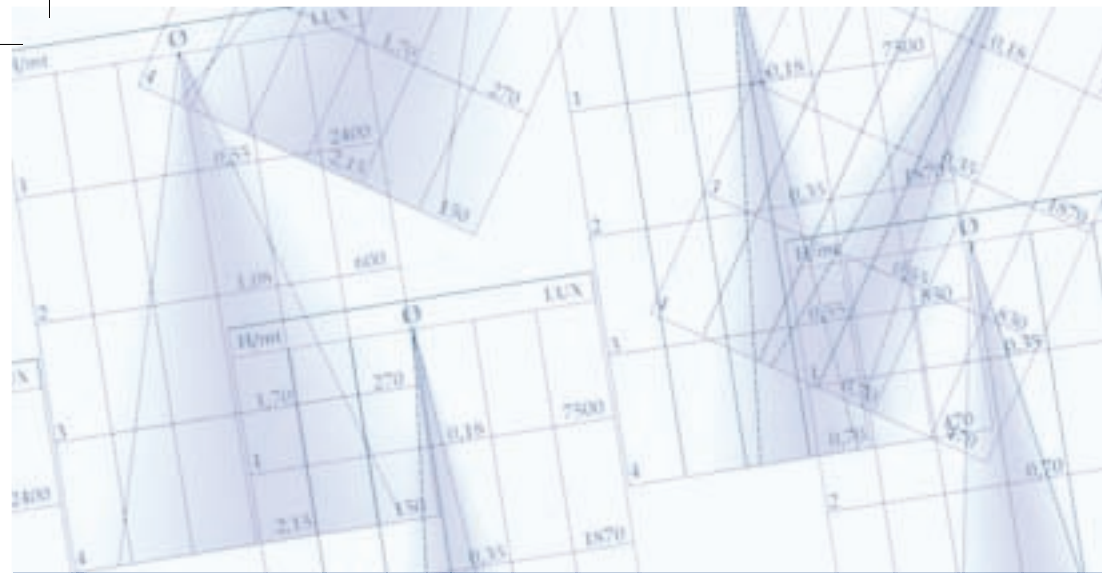
Hqi 70W RX7s



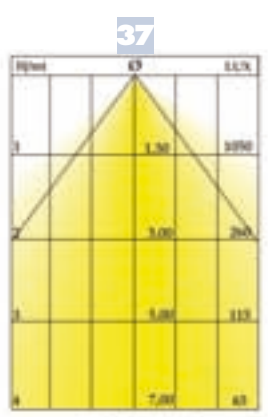
Hqi 150W RX7s



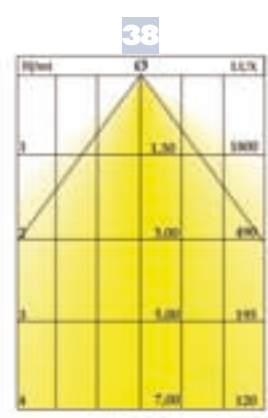
A60 E27 100W



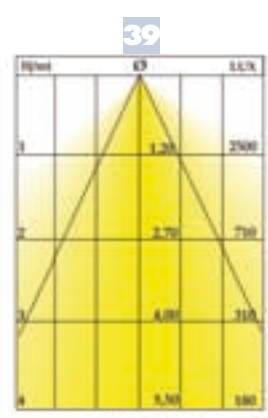
LEGENDA CURVE FOTOMETRICHE



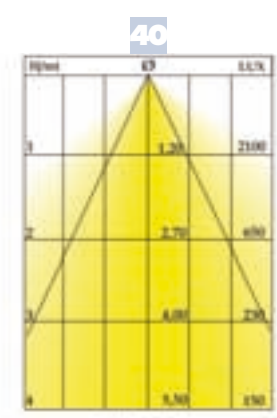
QT 32 150W E27



Hqi 70W E27



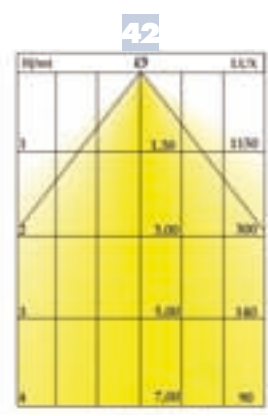
Hqi 150W E27



Hqi 70W E27



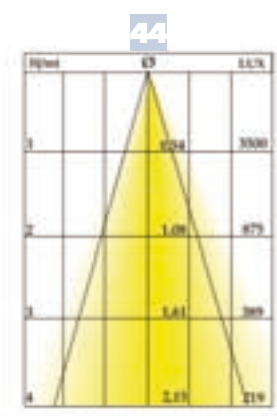
A60 E27 100W



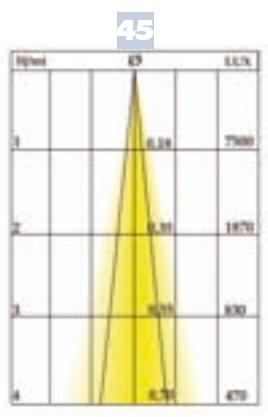
QT32 150W E27



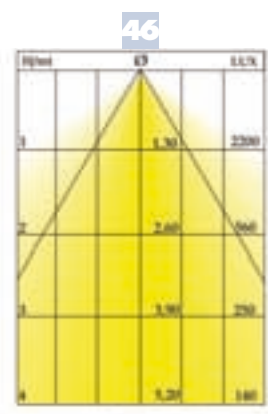
A60 E27 100W



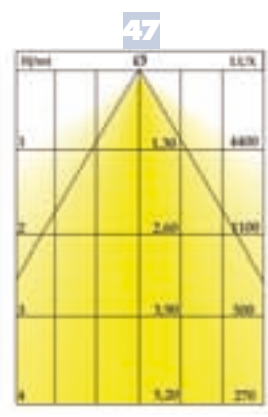
PAR 30 100W 220v 30°



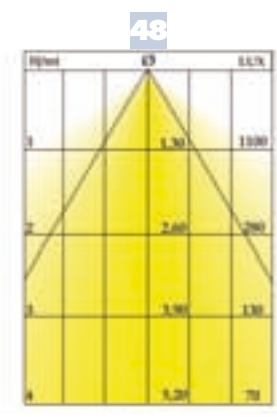
PAR 30 100W 220v 10°



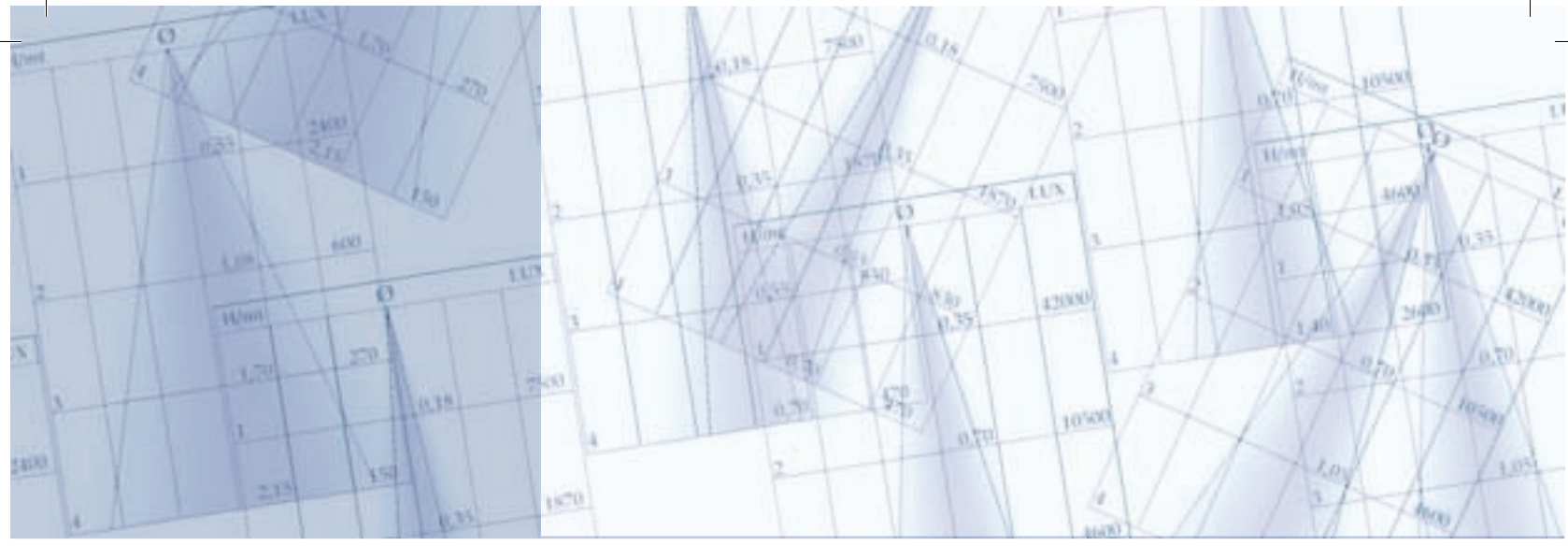
Hqi 70W G12



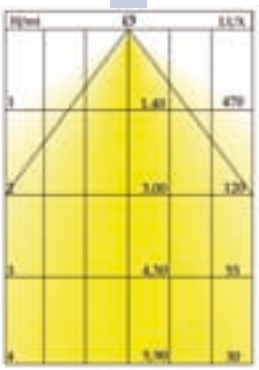
Hqi 150W G12



Hqi 35W G12

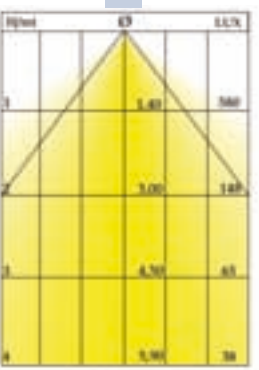


49



TC-D 2x13W

50



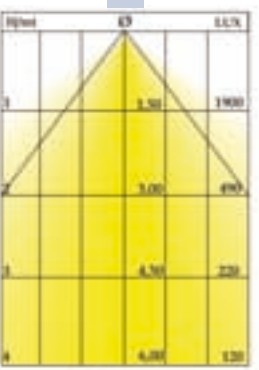
TC-D 2x18W

51



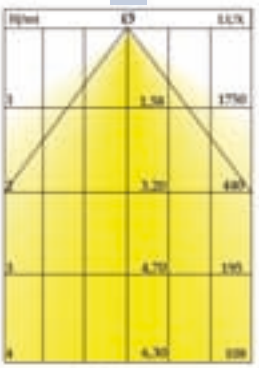
TC-D 2x26W

52



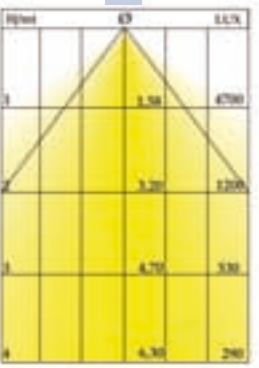
Hqj 70W RX7s

53



Hqj 70W RX7s

54



Hqj 150W RX7s

55



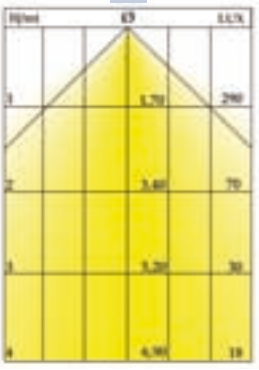
Hqj 70W G12

56



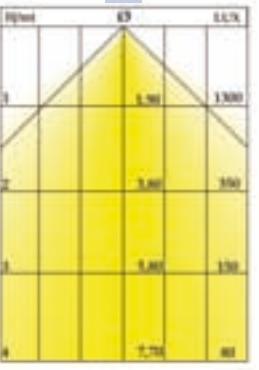
Hqj 35W G12

57



TC-D 18W

58



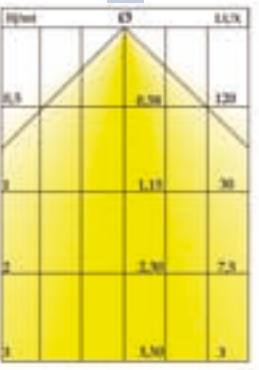
Hqj 35W G12

59

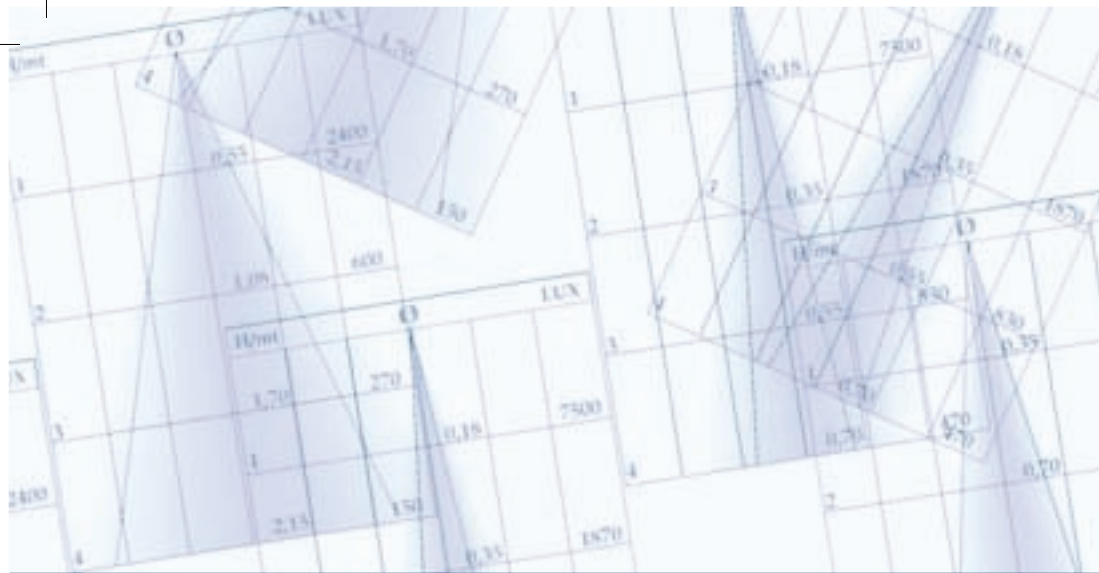


LED 1W 45° BIANCO

60



LED 1W 60° BIANCO



LEGENDA CURVE FOTOMETRICHE

CALCOLO RAPIDO PER QUANTIFICARE GLI APPARECCHI DA INSTALLARE IN UNA STANZA CON SOFFITTO ALTO 3 MT CIRCA

Dalla formula:
$$\frac{\text{lumen} \times \text{Cf1} \times \text{Cf2}}{\text{mq}} = \text{lux}$$

lumen = Emissione totale delle fonti di illuminazione che si pensa di installare

Cf1 = Coefficiente di riflessione delle superfici dell'ambiente
0,8 chiaro - 0,7 medio chiaro - 0,6 scuro

Cf2 = Coefficiente di manutenzione dell'apparecchio, tempi di utilizzo e pulizia delle sue superfici riflettenti
0,8 apparecchi chiusi da pulire raramente
0,6 apparecchi da pulire più spesso

mq = Superficie dell'ambiente

lux = Illuminamento medio del piano di lavoro, circa 80 cm

ESEMPIO

Abbiamo una stanza di 20 mq dove sono richiesti 300 lux sul piano di lavoro, con pareti e pavimenti chiari e vogliamo usare dei fari da incasso equipaggiati ognuno con due lampadine TC-D da 26W IP20, procediamo così:

Prendiamo i lumen emessi dalla lampadina (1800), ipotizziamo di installare 4 fari da incasso (1800x8=14.400) quindi:

$$\frac{14400 \times 0,8 \times 0,6}{20} = 345 \text{ lux sul piano di lavoro}$$

LEGENDA

COSA SONO GLI IP

Sono l'indice di protezione dalla penetrazione di corpi estranei solidi o liquidi e hanno due cifre.

La **prima cifra** indica il grado di protezione contro la penetrazione di corpi solidi estranei.

IP	SIGNIFICATO
0 _	Nessuna protezione
1 _	Protetto contro corpi solidi superiori a 50 mm di diametro
2 _	Protetto contro corpi solidi superiori a 12 mm di diametro
3 _	Protetto contro corpi solidi superiori a 2,5 mm di diametro
4 _	Protetto contro corpi solidi superiori a 1 mm di diametro
5 _	Protetto contro le polveri (nessun deposito nocivo)
6 _	Totalmente protetto contro le polveri

La **seconda cifra** indica il grado di protezione contro la penetrazione dei liquidi.

IP	SIGNIFICATO
_ 0	Nessuna protezione
_ 1	Protetto contro le cadute verticali di gocce d'acqua
_ 2	Protetto contro le cadute di gocce d'acqua o pioggia fino a 15° dalla verticale
_ 3	Protetto contro le cadute di gocce d'acqua o pioggia fino a 60° dalla verticale
_ 4	Protetto contro gli spruzzi d'acqua da tutte le direzioni
_ 5	Protetto contro i getti d'acqua
_ 6	Protetto contro i getti d'acqua potenti
_ 7	Protetto contro gli effetti delle immersioni temporanee
_ 8	Protetto contro gli effetti delle immersioni continue

DATI TECNICI

